



The Michigan propeller 1974

outboard and stern drive

Nobody knows more about propellers than the people who make The Michigan propeller.

From the very start, back in 1903, Michigan Wheel Corporation had just one goal: to produce the finest propellers possible, and to rigidly maintain the highest standards of quality.

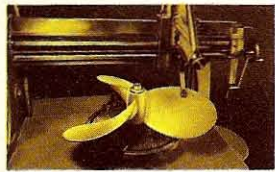
One of the ways we meet that goal is with the world's largest, most modern propeller plant. More than 175,000 sq. ft. of single-floor, straight-flow production facilities are needed to accommodate our highly specialized custom designed and custom built production equipment. Plus over 2½ miles of shelving to house a stock of more than 75,000 finished propellers, and 10,000 to 20,000 semi-finished propellers. (This means prompt shipment when needed!)

Every design, every feature, of these superb quality wheels is proved again and again on our own waterway, by experienced engineers who run thousands of miles of tests during the open water season. They match each and every model of outboard and inboard motor with the precise propeller that will give it maximum efficiency in all phases of operation — including all the possible variations of boat type and size, load or purpose.

The unquestioned success of our Prop-rider[®] propellers, our cupped wheel designs, and other Michigan innovations prove that this exceptional testing and quality control system...really works!

The unmatched performance, and the wide variety of styles and types available in Michigan propellers offer boaters a *single source* for propellers that are practically custom made for every kind of pleasure craft in the water.

Our machined-pitch™ process. To get top propeller performance, you've got to construct each propeller with absolute, close-tolerance accuracy. So our engineers invented a machined-pitch process



that assures you of unparalleled accuracy of construction. There's nothing like it anywhere else. All chance for human error has been eliminated, and unerring machine accuracy substituted. Only after extensive research were we able to perfect the first critical step in the process — the helical planer, shown above. This incredible machine carves the original wood patterns of all Michigan propellers, and machines each of the permanent metal patterns with pinpoint accuracy.

Our metals. Knowing exactly what metal alloys to use, and exactly how best to cast them, makes a big difference in the finished quality and performance (and repairability) of a propeller. All Michigan wheels are cast of the finest grade virgin alloys, formulated by our own expert metallurgists.

MICHALUM: this high strength aluminum is an exclusive Michigan alloy. Its tensile strength is 40,000 lbs. psi; yield strength 20,000 lbs. psi; elongation 9%. The alloy is salt water resistant, and is the only aluminum that gives satisfaction even under the severe service conditions of large, high powered motors. The magnified cross sections tell the story — when you compare a section of a typical die-cast propeller, and Michigan's superior sand-cast aluminum alloy.



MICHALLOY-K[®] BRONZE: So strong that propellers made of it are guaranteed for life against blade breakage at the hub. Its tensile strength is 72,000 lbs. psi minimum; yield 35,000 lbs. psi minimum; elongation 27%. Besides wearing indefinitely, the great initial impact strength of this bronze alloy keeps damage to an absolute minimum, which makes for safer props.

Our cushion hub. Most modern gearshift



motors are subject to shock when shifting. To protect them, engine makers provide their propellers with built-in shock absorbing cushions in the hub,

and this helps prevent breakage. To make our replacement propellers the very best you can buy, we work closely with manufacturers to match — and often surpass — original equipment standards. With a Michigan propeller, you get the strongest cushion hubs in the industry. They're virtually unbreakable.

Our warranty.* Every new Michigan propeller is guaranteed against defects in both material and workmanship, without exception or qualification. Such defects are very, very rare — and our rigid inspection system is designed to find what few there are. But should a Michigan propeller with any defect whatsoever in workmanship or material get into your hands, return it immediately for a replacement.

We're just as interested as you are that the Michigan propeller on your boat give you... perfect performance.

*Michigan Wheel Corporation makes no warranty of merchantability and no warranty of fitness for a particular purpose. Michigan Wheel Corp. does warrant only that its parts are free from defects in material and workmanship and its sole liability with respect to such defective parts is limited to repair or replacement of such parts free of charge F.O.B. its factory.



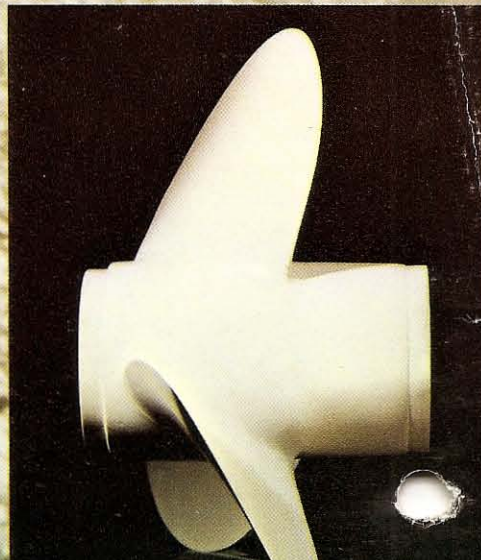




Bronze



Aluminum



Bazooka hub

Michigan accessories.

No. 516 & 530 sliding motor bracket: (for standard transoms). For trolling or auxiliary motors on high transom boats. Bracket width 11". Natural mahogany finish, with sand-cast aluminum brackets.

#516 (motors up to 10HP) - 18" rails \$31.00
 #516A (motors up to 10HP) - 24" rails \$37.00
 #530 (motors up to 25HP) - 18" rails \$49.00
 #530A (motors up to 25HP) - 24" rails \$54.00



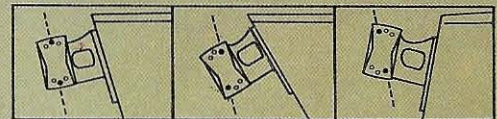
RAISED POSITION - motor stored without creating drag.

OPERATING POSITION - motor quickly lowered to correct height for full power.

REMOVABLE BRACKET can remain attached to motor. Only rails are permanently anchored to boat. Extra rails available.

New 540 adjustable troll bracket (for non-standard transoms). For use on inboards, outboards, stern drives and sailboats (including sailboats with reverse transoms). Adjusts 10 degrees from center, fore and aft. 11" wide for motors up to 13 HP. Natural mahogany finish, with sand-cast aluminum brackets.

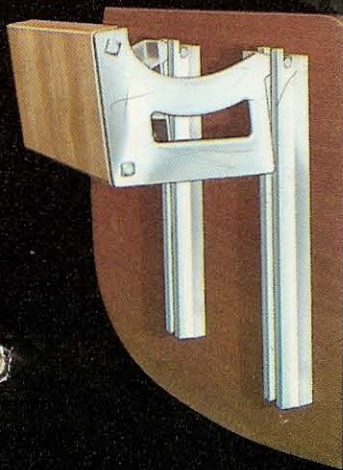
#540 - 18" rails \$35.50 . #540A - 24" rails \$40.50



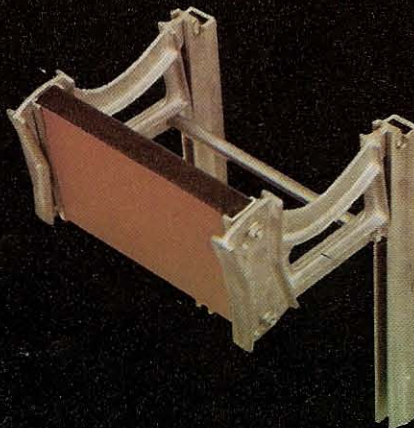
No. 525 & 527 motor bracket. Permanent mount for auxiliary or trolling motors. Natural hard maple finish, with sand-cast aluminum brackets.

#525 (motors to 10HP) 8½" width \$18.00
 #527 (motors to 25HP) 11" width \$29.00

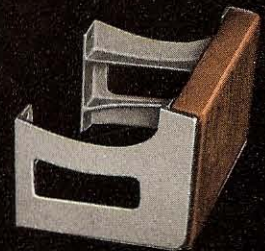
No. 608 prop puller. Designed to quickly remove the occasional tight fitting prop. This model is for thru-hub-exhaust outboard props.
 #608 - \$16.00



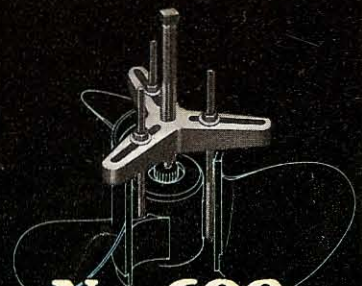
516 & 530



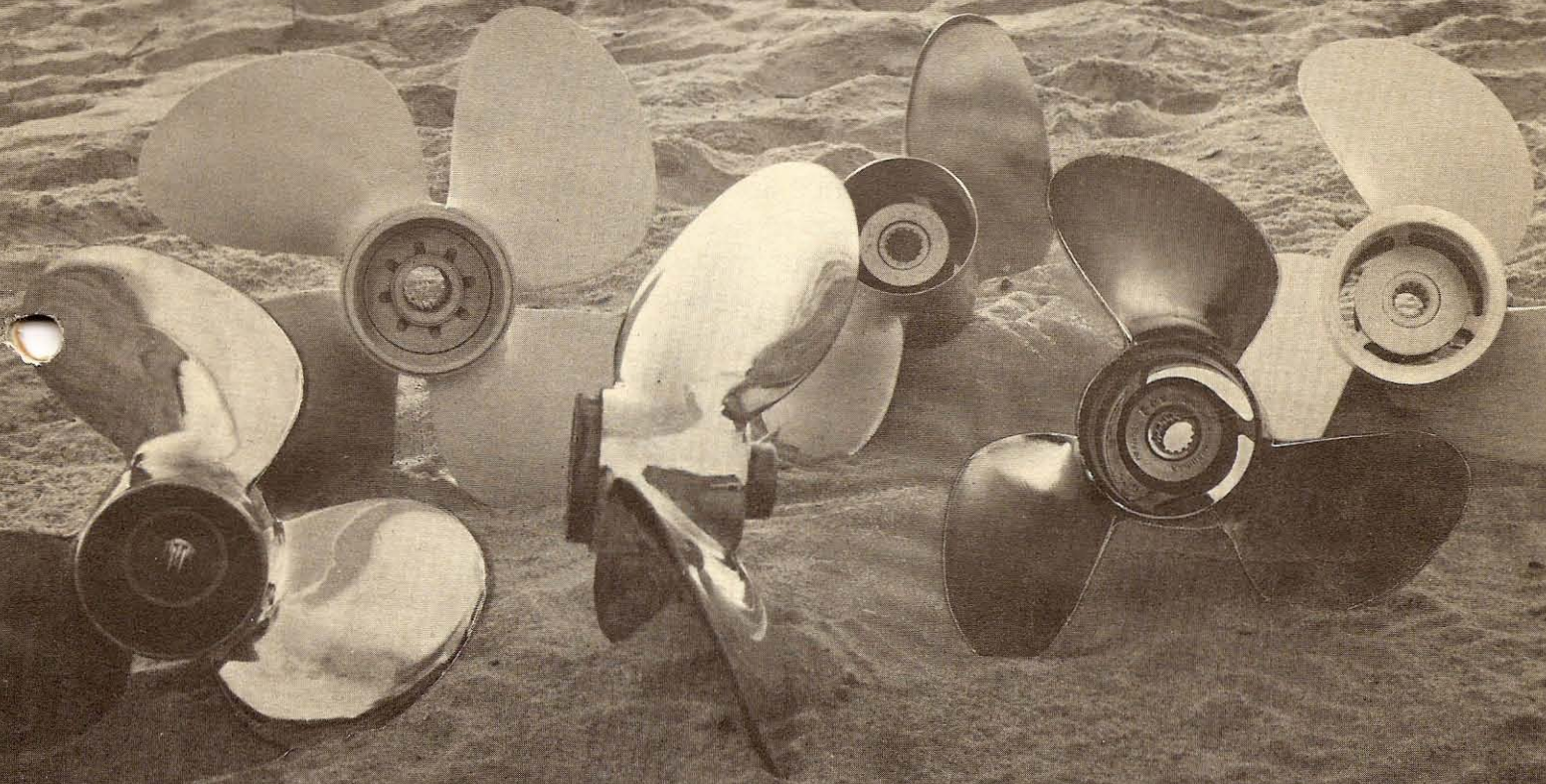
New 540



525 & 527



No. 608



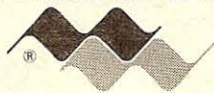
The Michigan propeller 1974

selector & price list

Outboard

This selector and price list is arranged so that you can instantly see all models recommended for your particular installation. First, locate your make of motor, arranged alphabetically in the first column...locate the model below this, and the year in the second column. In the third column you will find descriptions of boat size, style and use...select description most nearly fitting your situation. Opposite this, in the remaining columns, you will see the recommended wheels in Bronze and Aluminum with their prices.

Michigan Wheel Corporation



Economy props

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	OMC PART NO.	PART NO.	BLADES	DIA. & PITCH	PRICE
EVINRUDE-JOHNSON-GALE—PAINTED SAND CAST ALUMINUM							
3-4 HP—Weedless	55-72	Standard Replacement	203919	PJ3	3	6½x 4½	\$ 6.00
3-4 HP—Right Angle	64-72	Standard Replacement	310208	PJ5	3	8 x 4½	6.00
		12'-14' Boats—Light Loads	315858	PJ6	3	8 x 5½	6.00
5 HP	65-68	12'-14' Boats—Light Loads	380104	PJ7	3	8 x 7½	7.50
5½-6 HP	56-65	12'-14' Boats—Light Loads	376968	PJ300	2	8 x 7¼	7.00
6 HP	66-74	12'-14' Boats—Light Loads	380958	PJ8	2	8 x 7¼	8.50
9½-10 HP	56-73	14'-16' Boats—All Loads	383315	PJ11	3	8½x 8	10.50
		12'-14' Boats—Light Loads	377635	PJ10	3	8½x 8½	10.50
9.9-15 HP Thru Hub Exhaust	74	14'-16' Boats—All Loads, Skis		PJ26	3	10 x 7	20.20
		Standard Replacement		PJ25	3	9½x10	20.20
		Weedless		PJ27	2	10 x10	20.20
10 HP	50-57	12'-14' Boats—Light Loads	377083	PJ9	3	9 x 8	12.50
14-15-18-20 HP Also 25 HP-1969-74 (Also Archimedes- Penta 90-140-252)	50-74	12'-14' Boats—Heavy Loads	383629	PJ16	3	9 x10	12.60
		12'-14' Boats—Heavy Loads	381801	PJ17	3	9 x10½	13.70
		14'-16' Boats—Heavy Loads	379717	PJ19	3	9 x 9	12.60
		12'-14' Boats—Light Loads	377636	PJ18	3	9½x11	13.70
22-28-30-33-35-40 HP Also 25 HP-51-55	51-74	Cruisers, Houseboats, Sailboats		PJ41	3	10½x10	17.00
		17'-19' Boats—All Loads, Skis	378581	PJ31	3	10½x11½	17.00
		14'-16' Boats—All Loads, Skis	378580	PJ30	3	10½x12½	17.00
		14'-16' Boats—All Loads, Skis	380637	PJ32	3	10½x12	17.00
		14'-16' Boats—Light Loads	378579	PJ35	3	10½x13¼	17.00
		12'-14' Boats—Light Loads	378571	PJ40	3	10½x14	16.00
		14'-16' Boats—Light Loads	384460	PJ42	3	10½x13	17.00
50 HP Also 60-65 HP with Heavy-Duty Gear Case	58-68	Cruisers, Houseboats, Sailboats		PJ51	3	13 x 8	26.00
		Cruisers, Houseboats, Sailboats		PJ52	3	13 x 9	26.00
		Cruisers, Houseboats, Sailboats		PJ56	3	13½x 9	26.00
		20'-24' Boats—All Loads		PJ53	3	13 x10	26.00
		14'-16' Boats—All Loads, Skis	278155	PJ50	3	12½x14	22.40
60-65-75-80-85-90 HP	60-68	17'-19' Boats—All Loads, Skis	379260	PJ74*	3	10 x 9¼	16.80
		17'-19' Boats—All Loads, Skis	378040	PJ75	3	10½x10	19.00
		17'-19' Boats—All Loads, Skis	593437	PJ78	3	9½x10	19.00
		16'-17' Boats—All Loads, Skis	377978	PJ76	3	10 x11	16.80
		16'-17' Boats—All Loads, Skis	381446	PJ73*	3	10 x11	16.80
		14'-16' Boats—All Loads, Skis	378039	PJ77	3	10 x12	16.80
*Small Hub Prop—uses special Small Nut—Part No. NP74 at \$1.00 list							
100 HP	66-68	Cruisers, Houseboats	382676	PR115	3	14 x11	45.70
		17'-19' Boats—All Loads, Skis	382017	PR118	3	14 x12	45.70
		16'-17' Boats—All Loads, Skis	381442	PR105	3	13 x14	45.70
		14'-16' Boats—All Loads, Skis	381020	PR109	3	12½x16	45.70
50 HP Thru Hub Exhaust	71-74	20'-24' Boats	382762	PJ79	3	14 x13	29.50
		15'-18' Boats—All Loads, Skis	382763	PJ80	3	13¾x15	29.50
		14'-16' Boats—All Loads, Skis	382764	PJ81	3	13¼x17	29.50
		14'-16' Boats—Light Loads	382765	PJ82	3	13 x19	29.50
		12'-14' Boats—Light Loads	382766	PJ83	3	13 x21	29.50
		55-60-65-70-80- 85-100 HP Thru Hub Exhaust (Also Archimedes- Penta Model 600)	68-74	Cruisers, Houseboats	382762	PJ79	3
17'-19' Boats—All Loads, Skis	382763	PJ80		3	13¾x15	29.50	
15'-18' Boats—All Loads, Skis	382764	PJ81		3	13¼x17	29.50	
14'-16' Boats—All Loads, Skis	382765	PJ82		3	13 x19	29.50	
14'-16' Boats—Light Loads	382766	PJ83		3	13 x21	29.50	
Light Runabouts, Light Loads	384136	PJ84	3	12¾x23	29.50		
115-125-135 HP Thru Hub Exhaust	71-74	Cruisers, Houseboats	382762	PJ79	3	14 x13	29.50
		20'-24' Boats	382763	PJ80	3	13¾x15	29.50
		19'-22' Boats—All Loads	382764	PJ81	3	13¼x17	29.50
		17'-19' Boats—All Loads, Skis	382765	PJ82	3	13 x19	29.50
		15'-18' Boats—All Loads, Skis	382766	PJ83	3	13 x21	29.50
		Light Runabouts, Light Loads	384136	PJ84	3	12¾x23	29.50
GALE 12-14-15 HP	51-63	12'-14' Boats—All Loads, Skis	376737	PJ14	3	9 x11	11.60

Archimedes-Penta				BRONZE				ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE	
600	74	Cruisers, Houseboats					DQ320	4	14 x10	\$42.00	
		Cruisers, Houseboats	PR291	3	14 x11	\$77.00	PR290	3	14 x11	35.00	
		17'-19' Boats—All Loads, Skis					DQ328	4	14 x12	42.00	
		16'-17' Boats—All Loads, Skis					DQ336	4	14 x14	42.00	
		16'-17' Boats—All Loads, Skis	PR287	3	13½x15	77.00	PR286	3	13½x15	35.00	
		Standard Replacement					PJ80	3	13½x15	29.50	
		14'-16' Boats—All Loads, Skis	PR285	3	13½x17	77.00	PR284	3	13½x17	35.00	
		12'-14' Boats—Heavy Loads	PR283	3	13½x19	77.00	PR282	3	13½x19	35.00	
		Light Runabouts, Light Loads	PR281	3	13½x21	77.00	PR280	3	13½x21	35.00	
		Hi-Performance Racing	AJC320C	2	13½x21	77.00	AJC-321C	2	13½x21	37.00	
90-140-252	All Years	Sailboats	SMC38	3	9½x 7	26.50	SMC39	3	9½x 7	17.00	
		16'-17' Boats—All Loads, Skis					AMC448	4	9 x 9	23.00	
		Weedless	EWC18	3	9 x10	26.50	EWC19	3	9 x10	17.00	
		Standard Replacement					PJ16	3	9 x10	12.60	
		16'-17' Boats—All Loads, Skis	PR21	3	8½x 9	26.50	PR20	3	8½x 9	17.00	
		14'-16' Boats—All Loads, Skis	PR23	3	8½x10	26.50	PR22	3	8½x10	17.00	
		14'-16' Boats—Light Loads	PR25	3	8½x11	26.50	PR24	3	8½x11	17.00	
		12'-14' Boats—Light Loads	PR27	3	8½x12	26.50	PR26	3	8½x12	17.00	
		Light Runabouts, Light Loads	AJC417	2	9½x12	26.50	AJC418	2	9½x12	17.00	
		U22 Oldtimer	All Years	Standard Replacement	E-36	3	11½x 9½	29.00	E-37	3	11½x 9½

Chrysler				BRONZE				ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE	
3.5-3.6 HP	64-74	Standard Replacement					G20	2	7½x 4½	\$ 8.00	
4.4-5 HP	68-70	Standard Replacement					PC4	2	7 x 4¾	13.00	
6 HP	71-74	Standard Replacement					PC9	2	8 x 5	13.00	
5½-6 HP	56-59	Standard Replacement					GC54	2	7½x 7	11.00	
6 HP	64-67	Standard Replacement					GC54	2	7½x 7	11.00	
6-6.6-7-8 HP	68-74	Standard Replacement					PC6	2	7½x 6¼	13.00	
7½-9.2 HP	56-67	Cruisers, Houseboats, Sailboats					AMC320	3	8 x 5½	15.00	
		14'-16' Boats—All Loads, Skis	AMC302	3	8 x 7	\$18.00					
		12'-14' Boats—Light Loads					GC55	2	8 x 8	11.50	
9.9-10 HP	68-74	Light Runabouts—Light Loads					PC14	2	8 x 8¾	13.00	
		Standard Replacement					PC12	2	8½x 8¼	13.00	
		14'-16' Boats—All Loads, Skis					PC10	2	8½x 8	13.00	
12.9-15 HP	71-74	Standard Replacement				PC20	3	8½x 8¼	15.00		
16-20 HP	59-67	17'-19' Boats—All Loads, Skis					AMC359	3	8½x 7½	19.50	
		Standard Replacement					AMC365	3	8½x 8½	19.50	
		14'-16' Boats—All Loads, Skis					AMC353	3	8½x 9	19.50	
20-25 HP	68-74	Standard Replacement					AMC490	3	8½x 8½	19.50	
		14'-16' Boats—All Loads, Skis	PR5	3	8½x 8	26.50	PR4	3	8½x 8	21.00	
		12'-14' Boats—Light Loads	PR9	3	8½x10	26.50	PR8	3	8½x10	21.00	
		12'-14' Boats—Light Loads	PR11	3	8½x11	26.50	PR10	3	8½x11	21.00	
40-50 HP	61-65	16'-17' Boats—All Loads, Skis					SMC715	3	10½x12	21.00	
		14'-16' Boats—All Loads, Skis					SMC713	3	10½x13	21.00	
30-35-45-50-55 HP Splined Shaft	66-74	Cruisers, Houseboats, Sailboats					AMC308	3	10½x10	21.00	
		17'-19' Boats—All Loads, Skis	PR131	3	10¼x11	37.50	PR130	3	10¼x11	23.00	
		16'-17' Boats—All Loads, Skis	PR133	3	10¼x12	37.50	PR132	3	10¼x12	23.00	
		14'-16' Boats—All Loads, Skis	PR135	3	10¼x13	37.50	PR134	3	10¼x13	23.00	
		14'-16' Boats—Light Loads	PR137	3	10¼x14	37.50	PR136	3	10¼x14	23.00	
		Light Runabouts—Light Loads	PR139	3	10¼x15	37.50	PR138	3	10¼x15	23.00	
		12'-14' Boats—Light Loads	AJC310	2	10½x15	36.00	AJC311	2	10½x15	21.50	
60 HP	74	16'-17' Boats—All Loads, Skis	PR433	3	11¼x12	39.50	PR432	3	11¼x12	24.50	
		14'-16' Boats—All Loads, Skis	PR435	3	11¼x13	39.50	PR434	3	11¼x13	24.50	
		14'-16' Boats—Light Loads	PR437	3	10¼x14	39.50	PR436	3	10¼x14	24.50	
75 HP Splined Shaft	66-67	20'-24' Boats—One Engine					SMC73	3	12½x11	31.00	
		17'-19' Boats—All Loads, Skis					SMC74	3	12½x12	31.00	
		16'-17' Boats—All Loads, Skis					SMC76	3	12½x13	31.00	
		14'-16' Boats—All Loads, Skis					SMC78	3	12½x14	31.00	
80 HP	61-65	Cruisers, Houseboats, Sailboats					PJ51	3	13 x 8	26.00	
		20'-24' Boats—One Engine					SMC69	3	12½x12	30.50	
		17'-19' Boats—All Loads, Skis					SMC61	3	12½x13	30.50	
		16'-17' Boats—All Loads, Skis					PJ50	3	12½x14	22.40	
		14'-16' Boats—All Loads, Skis					SMC65	3	12½x15	30.50	

CHRYSLER (Cont.)			BRONZE				ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
105 HP Splined Shaft	66-67	Cruisers, Houseboats, Sailboats					SMC82	3	13 x12	\$35.00
		20'-24' Boats—One Engine					SMC84	3	13 x13	35.00
		17'-19' Boats—All Loads, Skis					SMC86	3	13 x14	35.00
		16'-17' Boats—All Loads, Skis					SMC88	3	13 x15	35.00
70-75-85-105 HP Splined Shaft For 70-75-85 HP Reduce Pitch 2''	68-70	Cruisers, Houseboats					PR65	3	13 x13	36.00
		20'-24' Boats—One Engine					PR67	3	13 x14	36.00
		17'-19' Boats—All Loads, Skis	PR68	3	13 x15	\$57.00	PR69	3	13 x15	36.00
		16'-17' Boats—All Loads, Skis	PR70	3	13 x16	57.00	PR71	3	13 x16	36.00
		14'-16' Boats—All Loads, Skis	PR54	3	13 x18	57.00	PR55	3	13 x18	36.00
		12'-14' Boats—Light Loads					PR57	3	13 x19	36.00
70-85 (1.73:1)	70-73	Light Runabouts—Light Loads					AJC85	2	13 x19	36.00
		19'-22' Boats—All Loads	PR75	3	13 $\frac{1}{2}$ x11	57.50	PR74	3	13 $\frac{1}{2}$ x11	39.00
		15'-18' Boats—All Loads, Skis	PR77	3	13 $\frac{1}{2}$ x13	57.50	PR76	3	13 $\frac{1}{2}$ x13	39.00
		16'-17' Boats—All Loads, Skis	PR79	3	13 $\frac{1}{2}$ x15	57.50	PR78	3	13 $\frac{1}{2}$ x15	39.00
		14'-16' Boats—All Loads, Skis	PR81	3	13 $\frac{1}{2}$ x17	57.50	PR80	3	13 $\frac{1}{2}$ x17	39.00
		Light Runabouts, Light Loads	PR83	3	13 $\frac{1}{2}$ x19	57.50	PR82	3	13 $\frac{1}{2}$ x19	39.00
		Hi-Performance Racing	AJC720	2	13 x21	57.50	AJC722	2	13 x21	39.00
		Cruisers, Houseboats	PR75	3	13 $\frac{1}{2}$ x11	57.50	PR74	3	13 $\frac{1}{2}$ x11	39.00
		17'-19' Boats—All Loads, Skis	PR77	3	13 $\frac{1}{2}$ x13	57.50	PR76	3	13 $\frac{1}{2}$ x13	39.00
		15'-18' Boats—All Loads, Skis	PR79	3	13 $\frac{1}{2}$ x15	57.50	PR78	3	13 $\frac{1}{2}$ x15	39.00
75 (2:1) 105-120 (1.73:1)	70-74	16'-17' Boats—All Loads, Skis	PR81	3	13 $\frac{1}{2}$ x17	57.50	PR80	3	13 $\frac{1}{2}$ x17	39.00
		14'-16' Boats—All Loads, Skis	PR83	3	13 $\frac{1}{2}$ x19	57.50	PR82	3	13 $\frac{1}{2}$ x19	39.00
		14'-16' Boats—Light Loads	PR885	3	13 $\frac{1}{2}$ x21	57.50	PR884	3	13 $\frac{1}{2}$ x21	39.00
		14'-16' Boats—Light Loads	AJC720	2	13 x21	57.50	AJC722	2	13 x21	39.00
		Hi-Performance Racing	AJC724	2	13 x23	57.50	AJC726	2	13 x23	39.00
		Cruisers, Houseboats	PR75	3	13 $\frac{1}{2}$ x11	57.50	PR74	3	13 $\frac{1}{2}$ x11	39.00
		19'-22' Boats—All Loads	PR77	3	13 $\frac{1}{2}$ x13	57.50	PR76	3	13 $\frac{1}{2}$ x13	39.00
		17'-19' Boats—All Loads, Skis	PR79	3	13 $\frac{1}{2}$ x15	57.50	PR78	3	13 $\frac{1}{2}$ x15	39.00
		15'-18' Boats—All Loads, Skis	PR81	3	13 $\frac{1}{2}$ x17	57.50	PR80	3	13 $\frac{1}{2}$ x17	39.00
		16'-17' Boats—All Loads, Skis	PR83	3	13 $\frac{1}{2}$ x19	57.50	PR82	3	13 $\frac{1}{2}$ x19	39.00
90 (2:1) 130-135 (1.73:1)	73-74	14'-16' Boats—All Loads, Skis	PR885	3	13 $\frac{1}{2}$ x21	57.50	PR884	3	13 $\frac{1}{2}$ x21	39.00
		14'-16' Boats—Light Loads	PR887	3	13 $\frac{1}{2}$ x23	57.50	PR886	3	13 $\frac{1}{2}$ x23	39.00
		14'-16' Boats—Light Loads	AJC720	2	13 x21	57.50	AJC722	2	13 x21	39.00
		Hi-Performance Racing	AJC724	2	13 x23	57.50	AJC726	2	13 x23	39.00
		Cruisers, Houseboats	PR75	3	13 $\frac{1}{2}$ x11	57.50	PR74	3	13 $\frac{1}{2}$ x11	39.00
		19'-22' Boats—All Loads	PR77	3	13 $\frac{1}{2}$ x13	57.50	PR76	3	13 $\frac{1}{2}$ x13	39.00
		17'-19' Boats—All Loads, Skis	PR79	3	13 $\frac{1}{2}$ x15	57.50	PR78	3	13 $\frac{1}{2}$ x15	39.00
		15'-18' Boats—All Loads, Skis	PR81	3	13 $\frac{1}{2}$ x17	57.50	PR80	3	13 $\frac{1}{2}$ x17	39.00
		16'-17' Boats—All Loads, Skis	PR83	3	13 $\frac{1}{2}$ x19	57.50	PR82	3	13 $\frac{1}{2}$ x19	39.00
		14'-16' Boats—All Loads, Skis	PR885	3	13 $\frac{1}{2}$ x21	57.50	PR884	3	13 $\frac{1}{2}$ x21	39.00

Elgin-Sears			BRONZE				ALUMINUM			
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
4 HP	60-69	Standard Replacement					SA10	2	7 $\frac{1}{2}$ x 6	\$10.00
		Cruisers, Houseboats, Sailboats					SA12	2	7 $\frac{3}{4}$ x 5	10.00
3, 3.5, 3.6, 4, 4.5,	70-74	Standard Replacement					G20	2	7 $\frac{1}{2}$ x 4 $\frac{1}{2}$	8.00
5-5 $\frac{1}{2}$ -7-7 $\frac{1}{2}$ HP	70-73	Standard Replacement					G30	2	7 $\frac{1}{2}$ x 5 $\frac{1}{2}$	8.00
		Standard Replacement					G45	3	6 $\frac{3}{4}$ x 6 $\frac{1}{2}$	12.00
7 $\frac{1}{2}$ HP (Weedless)	60-69	12'-14' Boats—Light Loads					SAC371	3	6 x 6	16.00
		Light Runabouts—Light Loads					AJC63	2	6 x 8	11.00
9 HP	67-70	Standard Replacement					SMC23	3	8 $\frac{1}{4}$ x 8 $\frac{1}{2}$	19.00
		14'-16' Boats—All Loads, Skis					SMC24	3	8 $\frac{1}{4}$ x 7 $\frac{1}{2}$	19.00
12-14 HP	60-70	Standard Replacement					AMC535	3	8 $\frac{1}{4}$ x 8 $\frac{1}{2}$	13.00
		Light Runabouts—Light Loads					AMC532	3	8 $\frac{1}{4}$ x 9	13.00
25-28 HP	60-70	14'-16' Boats—All Loads, Skis	SMC849	3	9 x 9	\$27.00	SMC848	3	9 x 9	18.50
		Standard Replacement					PS25	3	9 x10	17.00
		Light Runabouts—Light Loads	AJC518	2	9 $\frac{1}{2}$ x11 $\frac{1}{2}$	27.00				
35 HP	65	14'-16' Boats—All Loads, Skis					SMC715	3	10 $\frac{1}{2}$ x12	21.00
40-45 HP	59-70	17'-19' Boats—All Loads, Skis					SMC635	3	10 x10	21.00
		16'-17' Boats—All Loads, Skis	SMC638	3	10 x11	30.50	SMC637	3	10 x11	21.00
		14'-16' Boats—All Loads, Skis	SMC640	3	10 x12	30.50	PS40	3	10 x12 $\frac{1}{2}$	19.50
		14'-16' Boats—Light Loads					SMC641	3	10 x13	21.00
60-75 HP	59-70	Cruisers, Houseboats, Sailboats					PS76	3	11 $\frac{1}{2}$ x 8	24.00
		20'-24' Boats—One Engine					PS74	3	11 $\frac{1}{2}$ x10	24.00
		17'-19' Boats—All Loads, Skis					PS73	3	11 $\frac{1}{2}$ x11	24.00
		16'-17' Boats—All Loads, Skis	SMC628	3	11 $\frac{1}{2}$ x12	47.00	PS71	3	11 $\frac{1}{2}$ x12	24.00
		14'-16' Boats—All Loads, Skis					PS72	3	11 $\frac{1}{2}$ x13	24.00
		14'-16' Boats—Light Loads					PS70	3	11 $\frac{1}{2}$ x14	24.00

Clinton			BRONZE			ALUMINUM		
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES DIA. & PITCH	PRICE	PART NO.	BLADES DIA. & PITCH	PRICE
2-3-3½-4-5 HP	60-74	Standard Replacement				C15	2 7 x 4½	\$10.00
7 HP	60-74	Standard Replacement				C18	2 7 x 5	10.00
7½ HP (K750)	74	Standard Replacement				SMC5	3 7½x 4½	9.00
9.9 HP	73-74	Standard Replacement				PJ11	3 8¼x 8	10.50

Eska			BRONZE			ALUMINUM		
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES DIA. & PITCH	PRICE	PART NO.	BLADES DIA. & PITCH	PRICE
3½ HP	60-74	Standard Replacement				G20	2 7½x 4½	\$ 8.00
5 HP	60-74	Standard Replacement				G30	2 7½x 5½	8.00
7-7½ HP	60-74	Standard Replacement				G45	3 6¾x 6½	12.00

Evinrude-Johnson-Gale			BRONZE			ALUMINUM		
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES DIA. & PITCH	PRICE	PART NO.	BLADES DIA. & PITCH	PRICE
100 HP	66-68	Cruisers, Houseboats				PR116	3 14 x10	\$45.70
		Cruisers, Houseboats				DQ218	4 14 x10	59.50
		20'-24' Boats—One Engine				PR115	3 14 x11	45.70
		20'-24' Boats—One Engine	PR119	3 14 x12	\$75.00	PR118	3 14 x12	45.70
		17'-19' Boats—All Loads, Skis	PR104	3 13 x14	57.50	PR105	3 13 x14	45.70
		16'-17' Boats—All Loads, Skis	PR106	3 12½x15	57.50	PR107	3 12½x15	45.70
		14'-16' Boats—All Loads, Skis	PR108	3 12½x16	57.50	PR109	3 12½x16	45.70
		Light Runabouts—Light Loads	AJC223	2 13½x18	60.50			
60, 65, 75, 80, 85, 90 HP	60-68	Barges, Heavy Boats				SMC865	3 10½x 6	21.50
		20'-24' Boats—One Engine	SMC863	3 10½x 8	38.50	SMC864	3 10½x 8	21.50
		17'-19' Boats—All Loads, Skis	SMC861	3 10½x 9	38.50	SMC862	3 10½x 9	21.50
		17'-19' Boats—All Loads, Skis	SMC855	3 10½x10	38.50	PJ75	3 10½x10	19.00
		16'-17' Boats—All Loads, Skis	SMC857	3 10½x11	38.50	PJ76	3 10 x11	16.80
		14'-16' Boats—All Loads, Skis	SMC859	3 10 x12	38.50	PJ77	3 10 x12	16.80
		14'-16' Boats—Light Loads				SMC867	3 10 x13	21.50
		12'-14' Boats—Light Loads				SMC869	3 10 x14	21.50
50 HP Thru Hub Exhaust	71-74	Cruisers, Houseboats				DQ320	4 14 x10	42.00
		Cruisers, Houseboats	PR291	3 14 x11	\$77.00	PR290	3 14 x11	35.00
		20'-24' Boats				DQ328	4 14 x12	42.00
		20'-24' Boats				PR288	3 14 x13	35.00
		15'-18' Boats—All Loads, Skis				DQ336	4 14 x14	42.00
		15'-18' Boats—All Loads, Skis	PR287	3 13½x15	77.00	PR286	3 13½x15	35.00
		14'-16' Boats—All Loads, Skis	PR285	3 13½x17	77.00	PR284	3 13½x17	35.00
		14'-16' Boats—Light Loads	PR283	3 13½x19	77.00	PR282	3 13½x19	35.00
55-60-65-70- 80-85-100 HP Thru Hub Exhaust (Also Archimedes- Penta Model 600)	68-74	12'-14' Boats—Light Loads	PR281	3 13½x21	77.00	PR280	3 13½x21	35.00
		12'-14' Boats—Light Loads	AJC320-C	2 13¾x21	77.00	AJC321-C	2 13¾x21	37.00
		Cruisers, Houseboats				DQ320	4 14 x10	42.00
		Cruisers, Houseboats	PR291	3 14 x11	77.00	PR290	3 14 x11	35.00
		19'-22' Boats—All Loads				DQ328	4 14 x12	42.00
		19'-22' Boats—All Loads				PR288	3 14 x13	35.00
		17'-19' Boats—All Loads, Skis				DQ336	4 14 x14	42.00
		17'-19' Boats—All Loads, Skis	PR287	3 13½x15	77.00	PR286	3 13½x15	35.00
115-125-135 HP Thru Hub Exhaust	71-74	15'-18' Boats—All Loads, Skis	PR285	3 13½x17	77.00	PR284	3 13½x17	35.00
		14'-16' Boats—All Loads, Skis	PR283	3 13½x19	77.00	PR282	3 13½x19	35.00
		14'-16' Boats—Light Loads	PR281	3 13½x21	77.00	PR280	3 13½x21	35.00
		14'-16' Boats—Light Loads	AJC320-C	2 13¾x21	77.00	AJC321-C	2 13¾x21	37.00
		Hi-Performance Racing	AJC322-C	2 13¾x23	77.00	AJC323-C	2 13¾x23	37.00
		Cruisers, Houseboats				DQ320	4 14 x10	42.00
		Cruisers, Houseboats	PR291	3 14 x11	77.00	PR290	3 14 x11	35.00
		Cruisers, Houseboats				DQ328	4 14 x12	42.00
20'-24' Boats				PR288	3 14 x13	35.00		
20'-24' Boats				DQ336	4 14 x14	42.00		
20'-24' Boats	PR287	3 13½x15	77.00	PR286	3 13½x15	35.00		
19'-22' Boats—All Loads	PR285	3 13½x17	77.00	PR284	3 13½x17	35.00		
17'-19' Boats—All Loads, Skis	PR283	3 13½x19	77.00	PR282	3 13½x19	35.00		
15'-18' Boats—All Loads, Skis	PR281	3 13½x21	77.00	PR280	3 13½x21	35.00		
Hi-Performance Racing	AJC322-C	2 13¾x23	77.00	AJC323-C	2 13¾x23	37.00		
Hi-Performance Racing	AJC324-C	2 13¾x25	77.00	AJC325-C	2 13¾x25	37.00		

EVINRUDE-JOHNSON-GALE (Cont.)			BRONZE			ALUMINUM						
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE		
50 HP Also 60-65 HP with Heavy Duty Gear Case	58-68	Cruisers, Houseboats, Sailboats					PJ51	3	13 x 8	\$26.00		
		17'-19' Boats—All Loads, Skis					SMC69	3	12½x12	30.50		
		16'-17' Boats—All Loads, Skis					SMC61	3	12½x13	30.50		
		14'-16' Boats—All Loads, Skis					PJ50	3	12½x14	22.40		
		14'-16' Boats—Light Loads					SMC65	3	12½x15	30.50		
22, 28, 30, 33, 35, 40 HP Also 25 HP—51-55	51-74	Barges, Extra Heavy Boats	SMC48	3	10½x 8	\$32.50	SMC47	3	10½x 8	21.00		
		20'-24' Cruisers—One Engine	PR91	3	10¼x10	35.50	PR90	3	10¼x10	23.00		
		17'-19' Boats—All Loads, Skis	PR93	3	10¼x11	35.50	PR92	3	10¼x11	23.00		
		17'-19' Boats—All Loads, Skis	AMC464	4	10 x11	36.00	AMC444	4	10 x11	28.00		
		16'-17' Boats—All Loads, Skis	PR95	3	10¼x12	35.50	PR94	3	10¼x12	23.00		
		16'-17' Boats—All Loads, Skis					AMC445	4	10 x12	28.00		
		Weedless					JWC41	2	10½x12½	23.50		
		14'-16' Boats—All Loads, Skis	PR97	3	10¼x13	35.50	PR96	3	10¼x13	23.00		
		12'-14' Boats—Light Loads	AJC467	2	10½x16	35.50	AJC469	2	10½x16	23.00		
		20'-24' Boats—One Engine					AMC384	3	11 x10	17.00		
		12'-14' Boats—Light Loads	PR101	3	10¼x15	35.50	PR100	3	10¼x15	23.00		
		14'-16' Boats—Light Loads	PR99	3	10¼x14	35.50	PR98	3	10¼x14	23.00		
		14, 15, 18, 20 HP Also 25 HP—69-74 (Also Archimedes Penta 90-140-252)	50-74	Cruisers, Houseboats, Sailboats	SMC38	3	9¼x 7	26.50	SMC39	3	9¼x 7	17.00
				16'-17' Boats—All Loads, Skis					AMC448	4	9 x 9	23.00
Weedless	EWC18			3	9 x10	26.50	EWC19	3	9 x10	17.00		
16'-17' Boats—All Loads, Skis	PR21			3	8¼x 9	26.50	PR20	3	8¼x 9	17.00		
14'-16' Boats—All Loads, Skis	PR23			3	8¼x10	26.50	PR22	3	8¼x10	17.00		
14'-16' Boats—Light Loads	PR25			3	8¼x11	26.50	PR24	3	8¼x11	17.00		
12'-14' Boats—Light Loads	PR27			3	8¼x12	26.50	PR26	3	8¼x12	17.00		
Light Runabouts—Light Loads	AJC417			2	9¼x12	26.50	AJC418	2	9¼x12	17.00		
9.9-15 HP Thru Hub Exhaust	74	14'-16' Boats—All Loads, Skis	SMC8	3	10 x 7	42.00	PJ26	3	10 x 7	20.20		
		Standard Replacement	SMC7	3	9½x10	42.00	PJ25	3	9½x10	20.20		
		Weedless	JWC15	2	10 x10	42.00	PJ27	2	10 x10	20.20		
9½-10 HP	58-73	20'-24' Boats—Sailboats					SMC12	3	8¼x 6½	15.00		
		14'-16' Boats—All Loads, Skis	SMC15	3	8¼x 8	24.50	PJ11	3	8¼x 8	10.50		
		Weedless	JWC12	3	8¼x 8	24.50	JWC13	3	8¼x 8	15.00		
		14'-16' Runabouts—Light Loads	SMC17	3	8¼x 9	24.50	SMC18	3	8¼x 9	15.00		
6 HP	66-74	Sailboats					AMC424	3	8 x 4½	11.50		
		14'-16' Boats—Light Loads	AMC421	3	7¾x 6½	17.00	AMC422	3	7¾x 6½	11.50		
5½-6 HP	56-65	12'-14' Boats—Light Loads	AMC423	3	7¾x 7	17.00						
		14'-16' Boats—Light Loads	AM430	3	7¾x 6½	17.00	AM431	3	7¾x 6½	11.50		
5 HP	65-70	12'-14' Boats—Light Loads	AM433	3	7¾x 7	17.00						
		Weedless					JWC5	3	7¾x 6½	11.50		
5 HP	65-70	14'-16' Boats—Light Loads					AMC419	3	7¾x 6½	11.50		
		12'-14' Boats—Light Loads					PJ7	3	8 x 7½	7.50		
3-4 HP Right Angle Drive	64-72	Standard Replacement					PJ5	3	8 x 4½	6.00		
		Light Runabouts—Light Loads					PJ6	3	8 x 5½	6.00		
3-4 HP Weedless Drive	55-72	Standard Replacement					PJ3	3	6¾x 4½	6.00		

(Homelite) Bearcat			BRONZE			ALUMINUM				
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
55-85 HP (Use Cupped Version for 85 HP Model at \$4.50 Net Extra.)	62-73	Cruisers, Houseboats, Sailboats					PS76	3	11½x 8	\$24.00
		Cruisers, Houseboats, Sailboats					AMC712	4	11½x 8	44.00
		20'-24' Boats—One Engine					PS75	3	11½x 9	24.00
		17'-19' Boats—All Loads, Skis					PS74	3	11½x10	24.00
		16'-17' Boats—All Loads, Skis					PS73	3	11½x11	24.00
		14'-16' Boats—All Loads, Skis	SMC628	3	11½x12	\$47.00	PS71	3	11½x12	24.00
		14'-16' Boats—Light Loads					PS72	3	11½x13	24.00

Mc Culloch-Scott-Aero				BRONZE		ALUMINUM				
MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
3½-4 HP	46-73	Standard Replacement					SA10	2	7½x 6	\$10.00
		Heavy Boats, Sailboats					SA12	2	7½x 5	10.00
7½ HP Weedless	60-73	12'-14' Boats—Light Loads					SAC371	3	6 x 6	16.00
		Light Runabouts—Light Loads					AJC63	2	6 x 8	11.00
7½ HP Straight Lower Unit—RH	63-70	14'-16' Boats—All Loads, Skis					SMC22	3	8½x 5	19.00
		Standard Replacement					SMC20	3	8½x 6½	19.00
9 HP	67-73	Houseboats, Sailboats					SMC22	3	8½x 5	19.00
		Standard Replacement					SMC23	3	8½x 8½	19.00
		14'-16' Boats—All Loads, Skis					SMC24	3	8½x 7½	19.00
12-14.1 HP	60-67	Standard Replacement					AMC535	3	8½x 8½	13.00
		Light Runabouts—Light Loads					AMC532	3	8½x 9	13.00
22-25-27.7-28 HP	58-67	14'-16' Boats—All Loads, Skis	SMC849	3	9 x 9	\$27.00	SMC848	3	9 x 9	18.50
		14'-16' Boats—Light Loads					PS25	3	9 x10	17.00
		Light Runabouts—Light Loads	AJC518	2	9½x11½	27.00				
30-33-40 HP Left Hand Prop	55-58	16'-17' Boats—All Loads, Skis					SMC647	3	10 x11	21.00
		14'-16' Boats—All Loads, Skis					SMC649	3	10 x12	21.00
40-43.7-45 HP Right Hand Prop	59-69	17'-19' Boats—All Loads, Skis					SMC635	3	10 x10	21.00
		16'-17' Boats—All Loads, Skis	SMC638	3	10 x11	30.50	SMC637	3	10 x11	21.00
		14'-16' Boats—All Loads, Skis	SMC640	3	10 x12	30.50	PS40	3	10 x12	19.50
		14'-16' Boats—Light Loads					SMC641	3	10 x13	21.00
60-75.2 HP	58-69	Barges, Extra Heavy Boats					PS76	3	11½x 8	24.00
		Cruisers, Houseboats—One Engine					PS75	3	11½x 9	24.00
		20'-24' Boats—One Engine					PS74	3	11½x10	24.00
		17'-19' Boats—All Loads, Skis					PS73	3	11½x11	24.00
		16'-17' Boats—All Loads, Skis	SMC628	3	11½x12	47.00	PS71	3	11½x12	24.00
		14'-16' Boats—All Loads, Skis					PS72	3	11½x13	24.00
		14'-16' Boats—Light Loads					PS70	3	11½x14	24.00

Mercury				BRONZE		ALUMINUM					
MOTOR & MODEL (YEAR)	BOAT SIZE AND RECOMMENDATIONS	PART NO.	NEAREST MERCURY EQUIVALENT	BLADES	DIA. & PITCH	PRICE	PART NO.	NEAREST MERCURY EQUIVALENT	BLADES	DIA. & PITCH	PRICE
40 (73-74)	Standard Replacement						PM8	48-63494A1	2	8½x 6	\$11.00
39-40—(68-72)	Standard Replacement						PM16	48-47940A1	2	8½x 6	11.00
39—(64-67)	Standard Replacement						PM4	48-31214A1	2	8 x 6	11.00
60—(68)	Standard Replacement						PM18	48-47938A1	2	7½x 8	11.00
	Heavy Boats, Sailboats						PM17	48-47944A1	3	8½x 5	12.00
60—(61-67)	14'-16' Boats—All Loads						PM4	48-31214A1	2	8 x 6	11.00
	Standard Replacement						PM6	48-31105A1	2	8 x 8	11.00
Mark 28, 28A, 200-250 (58-62)	14'-16' Boats—All Loads, Skis						PM27	48-28037A1	3	9½x 9	19.50
	14'-16' Boats—Light Loads						PM28	48-28036A1	2	9½x11	18.50
	12'-14' Boats—Light Loads						PM29	48-28038A1	2	9½x12	18.50
Mark 30 (56-58)	14'-16' Boats—All Loads, Skis	AMC507		3	9½x10	\$36.00	AMC506		3	9½x10	29.50
	12'-14' Boats—Light Loads						AJC570		2	9 x12	22.00
Merc 75-110 (68-74)	Standard Replacement						PM21	48-47922A1	2	9 x 9	11.00
	Light Runabouts—Light Loads						PM19	48-47926A1	2	9 x10	11.00
	14'-16' Boats—All Loads, Skis						PM20	48-47670A1	3	9 x 7	19.50
Merc 110—(62-67)	14'-16' Boats—All Loads, Skis						PM11	48-32364A1	2	9 x 9	11.00
	12'-14' Boats—Light Loads						PM10	48-31504A1	2	9 x10	11.00
Merc 200—(63-74)	14'-16' Boats—All Loads, Skis						PM26	48-33482A1	3	9½x 9	19.50
	Standard Replacement						PM30	48-33480A1	2	10 x11	18.50
Mark 58, 58A, 400, 500, 50, 55, 35A, 300, 350 (56-61)	16'-17' Boats—All Loads, Skis	AMC581S	48-22105A2	3	10 x10	45.00	AMC580S	48-22575A2	3	10 x10	28.50
	14'-16' Boats—All Loads, Skis	AMC578S		3	10 x11	45.00	AMC577S		3	10 x11	28.50
	14'-16' Boats—All Loads, Skis						PM56	48-29985A2	2	10½x10	21.00
11 Spline	14'-16' Boats—Light Loads						PM55	48-22914A2	2	10½x12	21.00
	12'-14' Boats—Light Loads						PM54	48-29986A2	2	10½x13	21.00
	Cruisers, Houseboats, Sailboats	PR30	48-32192A1	3	10½x 9	50.00	PR31	48-32194A1	3	10½x 9	27.50
300, 350, 400, 450, 500 (62-69) Prop Exhaust	17'-19' Boats—All Loads, Skis	PR32	48-33772A1	3	10½x10	50.00	PR33	48-33774A1	3	10½x10	27.50
	16'-17' Boats—All Loads, Skis	PR34		3	10½x11	50.00	PR35	48-38098A1	3	10½x11	27.50
	14'-16' Boats—All Loads, Skis	PR36		3	10½x12	50.00	PR37	48-38094A1	3	10½x12	27.50
	14'-16' Boats—Light Loads						PR39	48-38090A1	3	10½x13	27.50
	12'-14' Boats—Light Loads						PR43	48-38086A1	3	10½x15	27.50
<i>These propellers also fit Carniti (Italy)</i>	17'-19' Boats—All Loads, Skis	AJC476	48-32188A1	2	10½x11	41.00	PM502	48-32190A1	2	10½x11	24.00
	14'-16' Boats—All Loads, Skis	AJC478	48-32184A1	2	10½x12	41.00	PM501	48-32186A1	2	10½x12	24.00
							PM500	48-32182A1	2	10½x13	24.00

MERCURY (Cont.)		BRONZE					ALUMINUM				
MOTOR & MODEL (YEAR)	BOAT SIZE AND RECOMMENDATIONS	PART NO.	NEAREST MERCURY EQUIVALENT	BLADES	DIA. & PITCH	PRICE	PART NO.	NEAREST MERCURY EQUIVALENT	BLADES	DIA. & PITCH	PRICE
400-402-500 (70-73) Prop Exhaust	Cruisers, Houseboats						PR331	48-56248A1	3	10 $\frac{1}{4}$ x9	\$27.50
	20'-24' Boats—All Loads	PR332	48-56260A1	3	10 $\frac{1}{4}$ x10	50.00	PR333	48-56246A1	3	10 $\frac{1}{4}$ x10	27.50
	17'-19' Boats—All Loads, Skis	PR334		3	10 $\frac{1}{4}$ x11	50.00	PR335	48-56244A1	3	10 $\frac{1}{4}$ x11	27.50
	16'-17' Boats—All Loads, Skis	PR336		3	10 $\frac{1}{4}$ x12	50.00	PR337	48-56240A1	3	10 $\frac{1}{4}$ x12	27.50
	14'-16' Boats—All Loads, Skis	PR338		3	10 $\frac{1}{4}$ x13	50.00	PR339	48-56236A1	3	10 $\frac{1}{4}$ x13	27.50
	14'-16' Boats—Light Loads	PR342		3	10 $\frac{1}{4}$ x15	50.00	PR343	48-56232A1	3	10 $\frac{1}{4}$ x15	27.50
	17'-19' Boats—All Loads, Skis	AJC876	48-56258A1	2	10 $\frac{1}{2}$ x11	40.50	PM582	48-56242A1	2	10 $\frac{1}{2}$ x11	24.00
	16'-17' Boats—All Loads, Skis	AJC878	48-56256A1	2	10 $\frac{1}{2}$ x12	40.50	PM581	48-56238A1	2	10 $\frac{1}{2}$ x12	24.00
	14'-16' Boats—All Loads, Skis	AJC880	48-56254A1	2	10 $\frac{1}{2}$ x13	40.50	PM580	48-56234A1	2	10 $\frac{1}{2}$ x13	24.00
	14'-16' Boats—Light Loads	AJC882	48-56252A1	2	10 $\frac{1}{2}$ x15	40.50					
	12'-14' Boats—Light Loads	AJC884	48-56250A1	2	10 $\frac{1}{2}$ x17	40.50					
	12'-14' Boats—Light Loads	PR344		3	10 $\frac{1}{4}$ x17	50.00	PR345	48-56230A1	3	10 $\frac{1}{4}$ x17	27.50
	Light Runabouts—Light Loads	PR346		3	10 $\frac{1}{4}$ x19	50.00	PR347	48-56228A1	3	10 $\frac{1}{4}$ x19	27.50
	Mark 78, 78A, 75, 75A, 600 (57-60)	16'-17' Boats—All Loads, Skis	SMC874		3	12 $\frac{1}{2}$ x13	48.00				
14'-16' Boats—All Loads, Skis							SMC885		3	12 $\frac{1}{2}$ x15	31.00
14'-16' Boats—Light Loads							PM78	48-29295A1	2	13 $\frac{1}{2}$ x15	25.00
402-500 (74) 650 (73-74)	12'-14' Boats—Light Loads	SMC434	48-63538A1	3	10 $\frac{1}{4}$ x16	46.50	PM513	48-61824A1	3	10 $\frac{1}{4}$ x16	32.50
	13'-15' Boats—Light Loads	SMC435	48-63540A1	3	11 x15	46.50	PM515	48-61822A1	3	11 x15	32.50
	14'-16' Boats—Light Loads	SMC436	48-63542A1	3	11 $\frac{1}{4}$ x14	46.50	PM518	48-61820A1	3	11 $\frac{1}{4}$ x14	32.50
	16'-17' Boats—All Loads, Skis	SMC437	48-63544A1	3	11 $\frac{1}{2}$ x13	46.50	PM521	48-61818A1	3	11 $\frac{1}{2}$ x13	32.50
	15'-18' Boats—All Loads, Skis	SMC438	48-63546A1	3	11 $\frac{1}{4}$ x12	46.50	PM524	48-61816A1	3	11 $\frac{1}{4}$ x12	32.50
	17'-19' Boats—All Loads, Skis	SMC439	48-63548A1	3	12 x11	46.50	PM527	48-61814A1	3	12 x11	32.50
	19'-22' Boats—All Loads	SMC440		3	12 $\frac{1}{4}$ x10	46.50	PM530	48-61812A1	3	12 $\frac{1}{4}$ x10	32.50
650 (61-70)-800-850 (2:1 Gear) 1150 (1.78:1 Gear) 700-900-950	20'-24' Boats						DQ430		4	14 x10	42.00
	19'-22' Boats—All Loads						DQ438		4	14 x12	42.00
	20'-24' Boats						PR151	48-35936A3	3	13 x11	33.00
	19'-22' Boats—All Loads						PR153	48-32392A3	3	13 x13	33.00
	17'-19' Boats—All Loads, Skis	PR154	48-31460A3	3	13 x15	70.50	PR155	48-32390A3	3	13 x15	33.00
	15'-18' Boats—All Loads, Skis	PR156	48-31458A3	3	13 x17	70.50	PR157	48-32264A3	3	13 x17	33.00
	16'-17' Boats—All Loads, Skis	PR158	48-32748A3	3	13 x19	70.50	PR159	48-32750A3	3	13 x19	33.00
	14'-16' Boats—All Loads, Skis	PR160	48-32744A3	3	13 x21	70.50	PR161	48-32746A3	3	13 x21	33.00
	14'-16' Boats—Light Loads	PR162	48-52006A3	3	13 x23	70.50	PR163	48-65736A1	3	13 x23	33.00
	15'-18' Boats—All Loads, Skis	AJC-626	48-29658A3	2	13 $\frac{1}{2}$ x17	70.50	PM-801	48-31072A1	2	13 $\frac{1}{2}$ x17	29.00
	16'-17' Boats—All Loads, Skis	AJC-628	48-31456A3	2	13 $\frac{1}{2}$ x19	70.50	PM-800	48-31080A1	2	13 $\frac{1}{2}$ x19	29.00
	14'-16' Boats—All Loads, Skis	AJC-630	48-31452A3	2	13 $\frac{1}{2}$ x21	70.50	PM-1000	48-31454A3	2	13 $\frac{1}{2}$ x21	29.00
	14'-16' Boats—Light Loads	AJC-632	48-31450A3	2	13 $\frac{1}{2}$ x23	70.50					
	Hi-Performance Racing	Cup 404*		2	13 x21	82.50					
Hi-Performance Racing	Cup 408*		2	13 x23	82.50						
Hi-Performance Racing	Cup 410*		2	13 x25	82.50						
650 (61-70) 800-850 (2.3:1 Gear) 1000-1100- 1150-1250 (2:1 Gear) 1350 (1.78:1 Gear)	Cruisers, Houseboats						DQ430		4	14 x10	42.00
	20'-24' Boats						DQ438		4	14 x12	42.00
	Cruisers, Houseboats						PR151	48-35936A3	3	13 x11	33.00
	20'-24' Boats						PR153	48-32392A3	3	13 x13	33.00
	19'-22' Boats—All Loads	PR154	48-31460A3	3	13 x15	70.50	PR155	48-32390A3	3	13 x15	33.00
	17'-19' Boats—All Loads, Skis	PR156	48-31458A3	3	13 x17	70.50	PR157	48-32264A3	3	13 x17	33.00
	15'-18' Boats—All Loads, Skis	PR158	48-32748A3	3	13 x19	70.50	PR159	48-32750A3	3	13 x19	33.00
	16'-17' Boats—All Loads, Skis	PR160	48-32744A3	3	13 x21	70.50	PR161	48-32746A3	3	13 x21	33.00
	14'-16' Boats—All Loads, Skis	PR162	48-52006A3	3	13 x23	70.50	PR163	48-65736A1	3	13 x23	33.00
	15'-18' Boats—All Loads, Skis	AJC-626	48-29658A3	2	13 $\frac{1}{2}$ x17	70.50	PM-801	48-31072A1	2	13 $\frac{1}{2}$ x17	29.00
	16'-17' Boats—All Loads, Skis	AJC-628	48-31456A3	2	13 $\frac{1}{2}$ x19	70.50	PM-800	48-31080A1	2	13 $\frac{1}{2}$ x19	29.00
	14'-16' Boats—All Loads, Skis	AJC-630	48-31452A3	2	13 $\frac{1}{2}$ x21	70.50	PM-1000	48-31454A3	2	13 $\frac{1}{2}$ x21	29.00
	14'-16' Boats—Light Loads	AJC-632	48-31450A3	2	13 $\frac{1}{2}$ x23	70.50					
	Hi-Performance Racing	Cup 410*		2	13 x25	82.50					
Hi-Performance Racing	Cup 424*		2	14 x25	82.50						
1400-1500 (2:1 Gear)	Cruisers, Houseboats						DQ438		4	14 x12	42.00
	Cruisers, Houseboats						PR153	48-32392A3	3	13 x13	33.00
	20'-24' Boats	PR154	48-31460A3	3	13 x15	70.50	PR155	48-32390A3	3	13 x15	33.00
	19'-22' Boats—All Loads	PR156	48-31458A3	3	13 x17	70.50	PR157	48-32264A3	3	13 x17	33.00
	17'-19' Boats—All Loads, Skis	PR158	48-32748A3	3	13 x19	70.50	PR159	48-32750A3	3	13 x19	33.00
	15'-18' Boats—All Loads, Skis	PR160	48-32744A3	3	13 x21	70.50	PR161	48-32746A3	3	13 x21	33.00
	16'-17' Boats—All Loads, Skis	PR162	48-52006A3	3	13 x23	70.50	PR163	48-65736A1	3	13 x23	33.00
	14'-16' Boats—All Loads, Skis	PR164	48-52010A3	3	13 x25	70.50	PR165	48-52012A3	3	13 x25	33.00
	15'-18' Boats—All Loads, Skis	AJC-626	48-29658A3	2	13 $\frac{1}{2}$ x17	70.50	PM-801	48-31072A1	2	13 $\frac{1}{2}$ x17	29.00
	16'-17' Boats—All Loads, Skis	AJC-628	48-31456A3	2	13 $\frac{1}{2}$ x19	70.50	PM-800	48-31080A1	2	13 $\frac{1}{2}$ x19	29.00
	14'-16' Boats—All Loads, Skis	AJC-630	48-31452A3	2	13 $\frac{1}{2}$ x21	70.50	PM-1000	48-31454A3	2	13 $\frac{1}{2}$ x21	29.00
	14'-16' Boats—Light Loads	AJC-632	48-31450A3	2	13 $\frac{1}{2}$ x23	70.50					
	Hi-Performance Racing	Cup 426*		2	14 x27	82.50					
	Hi-Performance Racing	Cup 428*		2	14 x29	82.50					
Hi-Performance Racing	Cup 430*		2	14 x31	82.50						

*Hi-Tensile Bronze, Cupped Blade Edges, Hi-Performance Props

Ward's Sea King

BRONZE

ALUMINUM

MOTOR & MODEL	YEAR	BOAT SIZE AND RECOMMENDATION	PART NO.	BLADES	DIA. & PITCH	PRICE	PART NO.	BLADES	DIA. & PITCH	PRICE
2, 3½, 4-5 HP	70-74	Standard Replacement					C15	2	7 x 4½	\$10.00
3½ HP	64-69	Standard Replacement					G20	2	7½x 4½	8.00
5-6 HP	64-70	Standard Replacement					GC54	2	7½x 7	11.00
6 HP	71-74	Standard Replacement					PC9	2	8 x 5	13.00
7 HP	70-73	Standard Replacement					C18	2	7 x 5	10.00
8-9-9.2 HP	64-69	Cruisers, Houseboats, Sailboats					AMC320	3	8 x 5½	15.00
		14'-16' Boats—All Loads, Skis	AMC302	3	8 x 7	\$18.00				
		Standard Replacement					GC55	2	8 x 8	11.50
9.6-9.9-10 HP	70-74	Standard Replacement					PC12	2	8¼x 8¼	13.00
		14'-16' Boats—All Loads, Skis					PC10	2	8¼x 8	13.00
		Light Runabouts—Light Loads					PC14	2	8 x 8¼	13.00
15 HP	74	Standard Replacement					PC20	3	8½x 8¼	15.00
20 HP	64-67	17'-19' Boats—All Loads, Skis					AMC359	3	8½x 7½	19.50
		Standard Replacement					AMC365	3	8½x 8½	19.50
		14'-16' Boats—Light Loads					AMC353	3	8½x 9	19.50
20-25 HP Splined Shaft	68-74	Standard Replacement					AMC490	3	8½x 8½	19.50
		14'-16' Boats—All Loads, Skis	PR5	3	8½x 8	26.50	PR4	3	8½x 8	21.00
		12'-14' Boats—Light Loads	PR9	3	8½x10	26.50	PR8	3	8½x10	21.00
		12'-14' Boats—Light Loads	PR11	3	8½x11	26.50	PR10	3	8½x11	21.00
45-50 HP	64-65	16'-17' Boats—All Loads, Skis					SMC715	3	10½x12	21.00
		14'-16' Boats—All Loads, Skis					SMC713	3	10½x13	21.00
35-45-50-55 HP Splined Shaft	66-74	Cruisers, Houseboats, Sailboats					AMC308	3	10½x10	21.00
		17'-19' Boats—All Loads, Skis	PR131	3	10¼x11	37.50	PR130	3	10¼x11	23.00
		16'-17' Boats—All Loads, Skis	PR133	3	10¼x12	37.50	PR132	3	10¼x12	23.00
		14'-16' Boats—All Loads, Skis	PR135	3	10¼x13	37.50	PR134	3	10¼x13	23.00
		14'-16' Boats—Light Loads	PR137	3	10¼x14	37.50	PR136	3	10¼x14	23.00
		Light Runabouts—Light Loads	PR139	3	10¼x15	37.50	PR138	3	10¼x15	23.00
		Light Runabouts—Light Loads	AJC310	2	10½x15	36.00	AJC311	2	10½x15	21.50
80 HP	64-69	Cruisers, Houseboats					PJ51	3	13 x 8	26.00
		20'-24' Boats—One Engine					SMC69	3	12½x12	30.50
		17'-19' Boats—All Loads, Skis					SMC61	3	12½x13	30.50
		16'-17' Boats—All Loads, Skis					PJ50	3	12½x14	22.40
		14'-16' Boats—All Loads, Skis					SMC65	3	12½x15	30.50

West Bend-Wizard (see Chrysler)

Miscellaneous

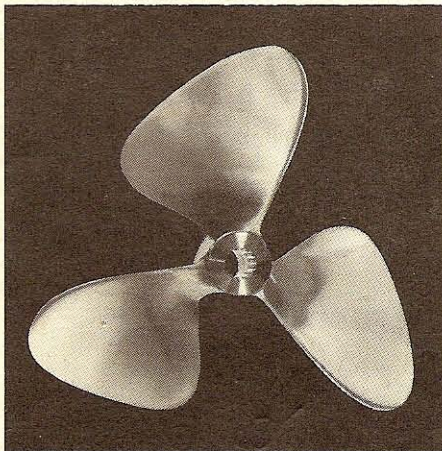
MOTOR & MODEL	YEAR	PART NO.	BLADES	DIA. & PITCH	METAL	PRICE	MOTOR & MODEL	YEAR	PART NO.	BLADES	DIA. & PITCH	METAL	PRICE
CHAMPION							MERCURY (Cont.)						
Single & Twin	39-42	P51	2	7½x 6½	Al	\$ 9.00	10 HP KF7 KG7	49-52	AJ55	2	8¼x10	Br	\$25.00
4.2 HP	46-53	P90	2	8 x 5½	Al	11.00	Mark 20-25	52-58	AMC503	3	9 x 9	Al	28.00
7.9 HP	48-50	P120	2	8 x10	Al	11.50	KH 7		AJC550	2	9 x11	Al	22.00
ELGIN							MUNCIE						
5-5½-6 HP	47-55	G40	2	7½x 7½	Al	10.50	Mark 50-55	54-56	AMC580	3	10 x10	Al	28.50
5½ HP	56-59	GC54	2	7½x 7	Al	11.00	14 spline						
7½ HP	49-55	G50	2	7½x 8½	Al	10.50	MCCULLOCH-SCOTT						
7½ HP	56-59	GC55	2	8 x 8	Al	11.50	5 HP BailAMatic	54-59	SAC40	2	7½x 6	Al	13.00
25 HP	55-57	G92	3	10½x12	Al	23.00	7½ HP	46-53	SA7	3	7½x 8	Al	16.00
EVINRUDE-JOHNSON							WEST BEND (CHRYSLER)						
7½ HP	54-58	AM417	3	8 x 7	Br	17.00	5-5½-6 HP	47-48	G40	2	7½x 7½	Al	10.50
		AM416	3	8 x 8	Al	11.50	7½-8 HP	49-55	G50	2	7½x 8½	Al	10.50
10 HP	50-57	AMC264	3	8½x 8½	Al	17.00	12 HP	55-64	AMC355	3	8½x 8	Al	20.50
FAGEOL-CROFTON							25-30 HP						
35-45 HP	56-60	SMC647	3	10 x11	Al	21.00	55-57	G92	3	10½x12	Al	23.00	
LAUSON							25-35 HP						
2½-3 HP	40-57	L30	2	7½x 5½	Al	10.50	58-63	SMC703	3	10½x12	Al	21.00	
MARTIN							BailAMatic (LH)						
75-60-66 HP	46-51	Q10	2	8 x 8	Al	15.00	16 HP	50-55	SAC30	3	9½x 6½	Al	21.00
MERCURY							Right Hand						
3½-5 HP	49-55	K70	2	6¾x 6½	Al	11.00	16 HP	56-57	SMC35	3	8½x 8	Al	21.00
6 HP	40-47	K15	2	7½x 7	Al	11.00							
6 HP	55-60	K74	2	7½x 7	Al	11.00							
7½ HP Mark 7	47-55	K50	2	7½x 8	Al	11.00							
10 HP KE 7	47-52	K40	3	7½x 9	Al	15.00							

MAX DISC = 4070 5/1 1/17

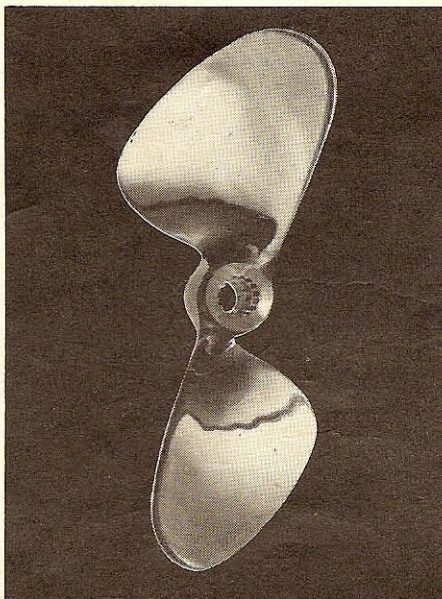
Racing props

Propellers listed are for racing engines with a suggested diameter and pitch. Suggested sizes are based on the minimum legal weights for each class and for sea level, or near sea level operation. Because these categories are not like anything else available on the market, the propellers should not be ordered size for size to replace another type or another make. There is a best basic size in each class to meet most conditions and this listing is offered as a guide, and to simplify propeller selection. Changing racing conditions such as course length, condition of water, altitudes, etc., may call for variation from sizes listed, and these can be supplied at no increase in cost. All propellers listed are supplied in special high-tensile racing bronze alloy and stainless steel, blades thinned for best racing performance, and all incorporate our exclusive cupped blade feature.

A' Merc with spec Bow \$52.50 Just



3-BLADE OPC RACING



2-BLADE OPC RACING

HAVE SOLID HUBS
HAVE PATTERNS

New-Stainless Steel OPC Racing Propellers

CHRYSLER 70-135 HP; EVINRUDE-JOHNSON 50-135 HP; MERCURY 80-150 HP; VOLVO 270E

L-H DIA. RANGE	R-H DIA. RANGE	PITCH RANGE	NO. BLADES	PRICE
	12"-14"	21"-31"	2	\$150.00
12"-14"	12"-14"	21"-31"	3	210.00

152-
213-
HITEN 160

Hi-Tensile Bronze OPC Racing Propellers

CHRYSLER 70-135 HP; EVINRUDE-JOHNSON 50-135 HP; MERCURY 80-150 HP; MERCURY BP; EVINRUDE-JOHNSON GT115 & X115

L-H DIA. RANGE	R-H DIA. RANGE	PITCH RANGE	NO. BLADES	PRICE
12"-13"	12"-13"	19"-29"	2	\$84.50
	14"	27"-31"	2	84.50

CHRYSLER 75-105 HP (RACING LOWER UNIT-PIN DRIVE); MERCURY SUPER SPEEDMASTER; OMC STINGER; CHRYSLER RACING (SPLINED SHAFT)

L-H DIA. RANGE	R-H DIA. RANGE	PITCH RANGE	NO. BLADES	PRICE
9"-10"	9"-10"	14"-18"	2	\$67.00

97-
85.00
95-

To order specify dia. & pitch, engine make & model, horsepower, material and rotation.

14 x 23 R3 H.F. 160.00 best 7000 177-

Competition Racing Engines Stock and Special Fuel

ENGINE	CLASS-GEAR RATIO	DIA. & PITCH	HI-TENSILE BRONZE	STAINLESS STEEL
Anzani	A Hydro-1:1	6½ x 9	\$42.00	\$50.00
Anzani	A Hydro-16:21	7 x 13	42.00	50.00
Anzani	B Hydro-1:1	6½ x 10½	42.00	50.00
Anzani	B Hydro-16:21	7 x 14	42.00	50.00
Champion	A Hydro-14:19	7 x 12	42.00	50.00
Champion	A Utility-14:19	7 x 11	42.00	50.00
Champion	A Hydro-14:15	6½ x 9	42.00	50.00
Champion	A Utility-14:15	6½ x 8½	42.00	50.00
Champion	B Hydro-14:19	7 x 13	42.00	50.00
Champion	B Utility-14:19	7 x 12	42.00	50.00
Champion	B Hydro-14:15	6½ x 11	42.00	50.00
Champion	B Utility-14:15	6½ x 10	42.00	50.00
Konig	A Hydro-1:1	6 x 8	42.00	50.00
Konig	B Hydro-1:1	6¼ x 10	42.00	50.00
Konig	C Hydro-1:1	7¼ x 12	42.00	50.00
Konig	D Hydro-1:1	7¼ x 14	42.00	50.00
Mercury	A Hydro-1:1	6 x 9	42.00	50.00
Mercury	A Utility-1:1	6 x 8	42.00	50.00
Mercury	A Hydro-16:21	6½ x 10½	42.00	50.00
Mercury	A Utility-16:21	6½ x 9½	42.00	50.00
Mercury	B Hydro-1:1	6¼ x 9	42.00	50.00
Mercury	B Utility-1:1	6¼ x 8	42.00	50.00
Mercury	B Hydro-16:21	7 x 14	42.00	50.00
Mercury	B Utility-16:21	7 x 13	42.00	50.00
Mercury	C Hydro-1:1	7 x 10	42.00	50.00
Mercury	C Utility-1:1	7 x 9	42.00	50.00
Mercury	D Hydro-1:1	7¼ x 11	42.00	50.00
Mercury	D Utility-1:1	7¼ x 10	42.00	50.00
Mercury	F Hydro-1:1	8½ x 13	60.00	70.00
Mercury	F Utility-1:1	9 x 12	60.00	70.00
Mercury	J Utility	6½ x 6½	37.00	-
J & E	"36" Cu. In.	10 x 15½	52.00	-
Chrysler	"36" Cu. In.	10½ x 16	52.00	-

53-
52-

74-
75-
76-

Propellers for motors not listed—write for information.

Hydro Kart = 30.00
35 - 36

Chrysler 25 - Merc 200

Stern drive

The charts below provide "general" propeller recommendations, but because there are so many variables, such as boat length, hull displacement, condition of use, etc., you may have to experiment with props to find exactly the right pitch and size for your purpose. Use the recommendations below as a starting point.

Michigan Wheel Corporation



Chrysler Model 40				
HP RANGE: TO 80 / RECOMMENDATIONS: (For twin installations increase pitch 2")				
PART NO.	DIA. & PITCH	BOAT LENGTH		HOUSEBOATS, BARGES
		THRU 17'	18'-21'	22'-25'
		11½ x 12	11½ x 11	11½ x 9
				11½ x 8
PS-76	11½ x 8	3	Alum.	\$24.00
PS-75	11½ x 9	3	Alum.	24.00
PS-74	11½ x 10	3	Alum.	24.00
PS-73	11½ x 11	3	Alum.	24.00
PS-72	11½ x 13	3	Alum.	24.00
PS-71	11½ x 12	3	Alum.	24.00
PS-70	11½ x 14	3	Alum.	24.00

Chrysler Drive 90 Model 80, 81; Muncie Flexidrive No. 302C, 501C, 503, 700 & 900; Marine Drive Systems					
HP RANGE: 110 TO 300 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	DRIVE RATIO	BOAT LENGTH		HOUSEBOATS, BARGES	
		18'-21'	22'-25'	15¼ x 13	16¾ x 12†
110 HP	2:1	16 x 16	15 x 15	15¼ x 13	16¾ x 12†
150-155 HP	1.3:1	16 x 16	15 x 15	15¼ x 13	16¾ x 12†
	1.6:1	15¼ x 18	15¼ x 17	15¼ x 13	16¾ x 12†
	2:1	17 x 19	17 x 17	17 x 14	16¾ x 14†
175 HP	1.3:1	15¼ x 17	15 x 15	16¼ x 13	16¾ x 14†
	1.6:1	17 x 19	17 x 16	17 x 12	16¾ x 12†
200 HP	1.3:1	15¼ x 18	16 x 16	16¼ x 14	16¾ x 14†
	1.6:1	17 x 20	17 x 19	17 x 15	16¾ x 16†
225 HP	1.3:1	15¼ x 18	16 x 16	17 x 12	16¾ x 12†
	1.6:1	17 x 19	17 x 16	17 x 15	16¾ x 14†
250-260 HP	1.32:1	15¼ x 18	15¼ x 17	17 x 13	16¾ x 12†
	1.6:1		17 x 18	17 x 16	16¾ x 16†
290-300 HP	1.32:1	15¼ x 19	15¼ x 18	17 x 14	16¾ x 14†
	1.6:1		17 x 19	17 x 17	16¾ x 16†
LEFT HAND PART NO.	RIGHT HAND PART NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-737	SMC-721	15¼ x 17	3	Alum.	\$65.50
SMC-765		16 x 16	3	Alum.	65.50
SMC-730		16¼ x 14	3	Alum.	65.50
SMC-736	SMC-720	16 x 15	3	Alum.	65.50
SMC-735		16¼ x 13	3	Alum.	65.50
SMC-744		17 x 19	3	Alum.	74.00
	SMC-761	17 x 18	3	Alum.	74.00
SMC-750	SMC-751	17 x 17	3	Alum.	74.00
SMC-768	SMC-769	17 x 16	3	Alum.	74.00
SMC-734	SMC-733	17 x 15	3	Alum.	74.00
SMC-773	SMC-774	17 x 12	3	Alum.	74.00
SMC-729		16¼ x 14	3	Alum.	74.00
SMC-803		16 x 25	3	Alum.	65.50
SMC-805	SMC-804	16¾ x 23	3	Alum.	65.50
SMC-807	SMC-806	16¼ x 21	3	Alum.	65.50
SMC-809	SMC-808	16¼ x 19	3	Alum.	65.50
DQ-651	DQ-650	16¼ x 12	4	Alum.	79.00
DQ-659		16¼ x 14	4	Alum.	79.00
DQ-667		16¼ x 16	4	Alum.	79.00

†4 Blade

Dana — Marine Drive Systems Model 60					
HP RANGE: 140 TO 160/RECOMMENDATIONS: (For twin installations increase pitch 2")					
DRIVE RATIO	BOAT LENGTH			HOUSEBOATS	
	THRU 17'	18'-21'	22'-25'		
1.3:1	14 x 16	14 x 14	14 x 12	—	
1.6:1	14 x 18	14 x 16	14 x 14	14 x 12	
LEFT HAND PART NO.	RIGHT HAND PART NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-118	SMC-174	14 x 18	3	Alum.	\$52.00
SMC-122	SMC-178	14 x 14	3	Alum.	52.00

Dana Sterndrive Model 91; Marine Drive Systems Model 91					
DIAMETER	PITCH RANGE	BLADES	MATERIAL	ROTATION	PRICE
20"	16 thru 21	3	Alum.	Left Hand	\$88.50
19"	16 thru 21	3	Alum.	Left Hand	82.00
18"	16 thru 21	3	Alum.	Left Hand	70.50
20"	18 thru 21	3	Alum.	Right Hand	88.50
19"	18 thru 21	3	Alum.	Right Hand	82.00
18"	18 thru 21	3	Alum.	Right Hand	70.50

To order specify Diameter, Pitch, Rotation, Material, Drive Model.

Eaton Model C, Series 16					
HP RANGE: 160 TO 170/RECOMMENDATIONS: (For twin installations increase pitch 2")					
DRIVE RATIO	BOAT LENGTH			HOUSEBOATS	
	THRU 17'	18'-21'	22'-25'		
1.26:1	14 x 16	14 x 14	14 x 12		
1.47:1	14 x 18	14 x 16	14 x 14	14 x 12	
LEFT HAND PART NO.	RIGHT HAND PART NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-453	SMC-403	14 x 18	3	Alum.	\$52.00
SMC-457	SMC-407	14 x 14	3	Alum.	52.00

Mercury Mercruiser I (62- 63); Mercruiser 80, 90					
HP RANGE: 80 TO 140 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS, BARGES	
	THRU 17'	18'-21'	22'-25'	13 x 11	14 x 10†
80-90 HP	13 x 15	13 x 13	13 x 11	13 x 11	14 x 10†
110 HP	13 x 17	13 x 15	13 x 13	13 x 11	14 x 12†
140 HP	13 x 21	13 x 19	13 x 17	13 x 15	14 x 14†
RIGHT HAND PART NO.	NEAREST MERC. EQUIVALENT	DIA. & PITCH	BLADES	METAL	PRICE
PR-151	C48-35936A3	13 x 11	3	Alum.	\$33.00
PR-153	C48-32392A3	13 x 13	3	Alum.	33.00
PR-155	C48-32390A3	13 x 15	3	Alum.	33.00
PR-157	C48-32264A3	13 x 17	3	Alum.	33.00
PR-159	C48-32750A3	13 x 19	3	Alum.	33.00
PR-161	C48-32746A3	13 x 21	3	Alum.	33.00
PR-163	C48-52008A3	13 x 23	3	Alum.	33.00
PR-165	C48-52012A3	13 x 25	3	Alum.	33.00
DQ-430		14 x 10	4	Alum.	42.00
DQ-438		14 x 12	4	Alum.	42.00

†4-Blade

Mercury Mercruiser 1A, 1B, 1C, 120, 140, 165, 888, 225S

HP RANGE: 110 TO 225 / RECOMMENDATIONS: (For twin installations increase pitch 2")						
APPROX. HP	BOAT LENGTH				HOUSEBOATS, BARGES	PRICE
	THRU 17'	18'-20'	21'-22'	23'-25'		
110-120 HP	15 1/2 x 21	15 1/2 x 19	15 1/2 x 15C	15 1/2 x 13C	16 x 12†	
140 HP (1.68:1 Gear)	15 1/2 x 21C	15 1/2 x 19C	15 1/2 x 17C	15 1/2 x 15C	16 x 12†	
140 HP (2:1 Gear)	15 x 23C	15 1/2 x 21C	15 1/2 x 19C	15 1/2 x 17C	16 x 14†	
150-165 HP	15 x 23C	15 1/2 x 21C	15 1/2 x 19C	15 1/2 x 17C	16 x 14†	
188-225 HP	15 x 23C	15 1/2 x 21C	15 1/2 x 19C	15 1/2 x 17C	16 x 14†	
RIGHT HAND PART NO.	NEAREST MERC. EQUIVALENT	DIA. & PITCH		BLADES	METAL	PRICE
SMC-504C	B-48-36020A4	15 1/2 x 13		3	Alum.	\$40.00
SMC-506C	B-48-36018A4	15 1/2 x 15		3	Alum.	40.00
SMC-508C	B-48-36016A4	15 1/2 x 17		3	Alum.	40.00
SMC-509C		15 1/2 x 17		3	Bronze	75.00
SMC-378	B-48-58422A1	15 1/2 x 19		3	Alum.	35.00
SMC-378C	B-48-58422A4	15 1/2 x 19		3	Alum.	40.00
SMC-379C		15 1/2 x 19		3	Bronze	75.00
SMC-380	B-48-58424A1	15 1/2 x 21		3	Alum.	35.00
SMC-380C	B-48-58424A4	15 1/2 x 21		3	Alum.	40.00
SMC-381C		15 1/2 x 21		3	Bronze	75.00
SMC-382	B-48-58426A1	15 x 23		3	Alum.	35.00
SMC-382C	B-48-58426A4	15 x 23		3	Alum.	40.00
SMC-383C		15 x 23		3	Bronze	75.00
SMC-384	B-48-36008A1	15 x 25		3	Alum.	35.00
SMC-384C	B-48-36008A4	15 x 25		3	Alum.	40.00
SMC-385C		15 x 25		3	Bronze	75.00
SMC-518C	B-48-36028A4	15 1/2 x 27		3	Alum.	40.00
DQ-556		16 x 14		4	Alum.	48.00

NOTE: Props in above listing with suffix "C" have Cupped Blade Edges †4-Blade.

Mercury Mercruiser II

HP RANGE: 170 TO 325 / RECOMMENDATIONS: (For twin installations increase pitch 2")						
APPROX. HP	DRIVE RATIO	BOAT LENGTH			HOUSEBOATS, BARGES	PRICE
		THRU 17'	18'-21'	22'-25'		
170-190 HP	1.33:1	15 1/2 x 17	16 1/4 x 14	16 1/2 x 13	15 1/2 x 13	16 1/2 x 12†
	1.78:1	16 x 25	16 1/2 x 23	16 1/2 x 21	16 x 16	16 1/2 x 16†
225 HP	1.33:1	15 1/2 x 18	16 x 15	16 1/2 x 14	16 1/2 x 13	16 1/2 x 12†
	1.78:1	15 1/2 x 27	16 x 25	16 1/2 x 23	16 x 16	16 1/2 x 16†
300-325 HP	1.33:1	16 1/2 x 19	15 1/2 x 18	15 1/2 x 17	15 1/2 x 13	16 1/2 x 12†
LEFT HAND PART NO.	NEAREST MERC. EQUIVALENT	RIGHT HAND PART NO.	NEAREST MERC. EQUIVALENT	DIA. & PITCH		BLADES
SMC-737	48-31673A1	SMC-721	48-31674A1	15 1/2 x 17		3 Alum. \$65.50
SMC-765				16 x 16		3 Alum. 65.50
SMC-730				16 1/2 x 14		3 Alum. 65.50
SMC-736	48-31671A1	SMC-720	48-31672A1	16 x 15		3 Alum. 65.50
SMC-735	48-31669A1			16 1/2 x 13		3 Alum. 65.50
SMC-729				16 1/2 x 14		3 Alum. 74.00
SMC-803	B48-49973A1			16 x 25		3 Alum. 65.50
SMC-805	B48-49971A1	SMC-804	B48-49972A1	16 1/2 x 23		3 Alum. 65.50
SMC-807	B48-33879A1	SMC-806	B48-33880A1	16 1/2 x 21		3 Alum. 65.50
SMC-809	B48-33881A1	SMC-808	B48-33882A1	16 1/2 x 19		3 Alum. 65.50
DQ-651		DQ-650		16 1/2 x 12		4 Alum. 79.00
DQ-659				16 1/2 x 14		4 Alum. 79.00
DQ-667				16 1/2 x 16		4 Alum. 79.00

†4-Blade

Mercury Mercruiser Model 0

HP RANGE: 60 HP / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS, BARGES	
	THRU 17'	18'-21'	22'-25'		
	10 1/2 x 15	10 1/2 x 13	10 1/2 x 11	10 1/2 x 9	
PART NO.	MERC. EQUIV. NO.	DIA. & PITCH	BLADES	METAL	PRICE
PR-31	48-32194A1	10 1/2 x 9	3	Alum.	\$27.50
PR-33	48-33774A1	10 1/2 x 10	3	Alum.	27.50
PR-35	48-38098A1	10 1/2 x 11	3	Alum.	27.50
PR-37	48-38094A1	10 1/2 x 12	3	Alum.	27.50
PR-39	48-38090A1	10 1/2 x 13	3	Alum.	27.50
PR-43	48-38086A1	10 1/2 x 15	3	Alum.	27.50

Outboard Marine (OMC) Small Gear Case; Marine Drive Systems/Ranger

HP RANGE: 80 TO 120 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS, BARGES	PRICE
	THRU 17'	18'-21'	22'-25'		
80-90 HP	10 1/2 x 11	10 1/2 x 10	10 1/2 x 9	10 1/2 x 8	
110-120 HP	10 x 13	10 1/2 x 11	10 1/2 x 10	10 1/2 x 9	
PART NO.	OMC EQUIV. NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-855		10 1/2 x 10	3	Bronze	\$38.50
SMC-857		10 1/2 x 11	3	Bronze	38.50
SMC-859		10 x 12	3	Bronze	38.50
SMC-867		10 x 13	3	Alum.	21.50
SMC-869		10 x 14	3	Alum.	21.50
SMC-861		10 1/2 x 9	3	Bronze	38.50
SMC-862		10 1/2 x 9	3	Alum.	21.50
SMC-863		10 1/2 x 8	3	Bronze	38.50
SMC-864		10 1/2 x 8	3	Alum.	21.50
SMC-865		10 1/2 x 6	3	Alum.	21.50
PJ-75	378040	10 1/2 x 10	3	Alum.	19.00
PJ-76	377978	10 x 11	3	Alum.	16.80
PJ-77	378039	10 x 12	3	Alum.	16.80
PJ-78	593437	9 1/2 x 10	3	Alum.	19.00
PJ-73*	381446	10 x 11	3	Alum.	16.80
PJ-74*	379260	10 x 9 1/2	3	Alum.	16.80

*Small Hub prop—uses special small nut—part no. NP-74 at \$1.00 list.

Outboard Marine (OMC) Model 13 Large Gear Case; '64-'66

HP RANGE: 120 TO 150 / RECOMMENDATIONS: (For twin installations increase pitch 2")					
APPROX. HP	BOAT LENGTH			HOUSEBOATS, BARGES	PRICE
	THRU 17'	18'-21'	22'-25'		
120 HP	14 1/4 x 20	14 1/4 x 18	14 1/4 x 16	14 1/4 x 14	
150 HP	14 1/4 x 22	14 1/4 x 20	14 1/4 x 18	14 1/4 x 16	
PART NO.	OMC EQUIV. NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-296	380190	14 1/4 x 22	3	Alum.	\$45.70
SMC-300	379652	14 1/4 x 20	3	Alum.	45.70
SMC-304	380189	14 1/4 x 18	3	Alum.	45.70
SMC-305		14 1/4 x 18	3	Bronze	75.00
SMC-308	380188	14 1/4 x 16	3	Alum.	45.70
SMC-312	380074	14 1/4 x 14	3	Alum.	45.70
SMC-316	380187	14 1/4 x 12	3	Alum.	45.70

Outboard Marine (OMC) Model 14 Large Gear Case; '67 and later

HP RANGE: 120 TO 245 / RECOMMENDATIONS: (For twin installations increase pitch 2")

APPROX. HP	BOAT LENGTH				HOUSEBOATS, BARGES
	THRU 17'	18'-21'	22'-25'		
100-120 HP	14 x 16	14 x 14	14 x 12	14 x 11	14 x 8†
140-170 HP	14 x 18	14 x 16	14 x 14	14 x 12	14 x 10†
185-245 HP	14 x 20	14 x 18	14 x 16	14 x 14	14 x 12†

RIGHT HAND PART NO.	OMC EQUIV. NO. (RH ONLY)	DIA. & PITCH	BLADES	METAL	PRICE
SMC-296	380190	14¼ x 22	3	Alum.	\$45.70
SMC-300	379652	14¼ x 20	3	Alum.	45.70
SMC-304	380189	14¼ x 18	3	Alum.	45.70
SMC-308	380188	14¼ x 16	3	Alum.	45.70
SMC-312	380074	14¼ x 14	3	Alum.	45.70
SMC-316	380187	14¼ x 12	3	Alum.	45.70
SMC-305		14¼ x 18	3	Bronze	75.00
PR-104		13 x 14	3	Bronze	57.50
PR-105	381442	13 x 14	3	Alum.	45.70
PR-115	382676	14 x 11	3	Alum.	45.70
PR-118	382017	14 x 12	3	Alum.	45.70
PR-119		14 x 12	3	Bronze	75.00
PR-120	381185	14 x 14	3	Alum.	45.70
PR-121		14 x 14	3	Bronze	75.00
PR-122	381186	14 x 16	3	Alum.	45.70
PR-123		14 x 16	3	Bronze	75.00
PR-124	381187	14 x 18	3	Alum.	45.70
PR-125		14 x 18	3	Bronze	75.00
PR-126	383287	14 x 20	3	Alum.	45.70
PR-127		14 x 20	3	Bronze	75.00
DQ-210		14 x 8	4	Alum.	59.50
DQ-218		14 x 10	4	Alum.	59.50
DQ-226		14 x 12	4	Alum.	59.50
AJC-223	381465	13¾ x 18	2	Bronze	60.50
AJC-227-C*	979896	13¾ x 20	2	Bronze	66.50

*Cupped †4-Blade

Outboard Marine (OMC)

HP RANGE: 80 TO 100 / RECOMMENDATIONS: (For twin installations increase pitch 2")

PART NO.	OMC EQUIV. NO.	BOAT LENGTH			HOUSEBOATS
		THRU 17'	18'-21'	22'-25'	
		13¼ x 18	13¾ x 16	14 x 14	14 x 12
DIA. & PITCH	BLADES	METAL	PRICE		
SMC-330	382769	14 x 14	3	Alum.	\$47.50
SMC-332	382770	13¾ x 16	3	Alum.	47.50

Volvo-Penta 80, 100; Eaton Model A; Muncie 300, 500, 501; Perkins Z; Enfield Transa-Drive (splined shaft 1 3/16" dia.)

HP RANGE: 80 TO 155 / RECOMMENDATIONS: (For twin installations increase pitch 2")

APPROX. HP	DRIVE RATIO	BOAT LENGTH			HOUSEBOATS, BARGES
		THRU 17'	18'-21'	22'-25'	
80-110 HP	1.1:1	12½ x 13	12½ x 11		
	1.5:1	14 x 14	14 x 12	14 x 11	14 x 9
	1.8:1	14 x 16	14 x 14	14 x 12	14 x 9
140-155 HP	1.1:1	12½ x 15	12½ x 13	12½ x 11	
	1.5:1	14 x 16	14 x 14	14 x 12	14 x 9
	1.8:1	14 x 18	14 x 16	14 x 14	14 x 12

LEFT HAND PART NO.	RIGHT HAND PART NO.	DIA. & PITCH	BLADES	METAL	PRICE
SMC-871		12½ x 12	3	Alum.	\$31.00
SMC-873		12½ x 11	3	Alum.	31.00
SMC-874		12½ x 13	3	Bronze	48.00
SMC-875		12½ x 13	3	Alum.	31.00
SMC-885		12½ x 15	3	Alum.	31.00
SMC-887		12½ x 14	3	Alum.	31.00
SMC-891		13 x 13	3	Alum.	36.00
SMC-900		14 x 16	3	Alum.	42.00
SMC-898	SMC-911	14 x 14	3	Alum.	42.00
SMC-892		14 x 13	3	Alum.	42.00
SMC-906	SMC-909	14 x 12	3	Alum.	42.00
SMC-899		14 x 9	3	Alum.	42.00

Volvo-Penta 100-110; Eaton Model B; Eaton Model C Series 14 (pin drive)

HP RANGE: 110 TO 150 / RECOMMENDATIONS: (For twin installations increase pitch 2")

DRIVE RATIO	BOAT LENGTH			HOUSEBOATS, BARGES
	THRU 17'	18'-21'	22'-25'	
1.26:1	13 x 15	14 x 12	14 x 10	14 x 9
1.47:1	14 x 16	14 x 14	14 x 13	14 x 12
1.5:1	14 x 16	14 x 14	14 x 13	14 x 12

LEFT HAND PART NO.	RIGHT HAND PART NO.	DIA. & PITCH	BLADES	METAL	PRICE
AJC-596		13½ x 19	2	Alum.	\$33.00
SMC-929	SMC-944	14 x 16	3	Alum.	42.00
SMC-925	SMC-940	14 x 14	3	Alum.	42.00
SMC-922	SMC-982	14 x 13	3	Alum.	42.00
SMC-921	SMC-936	14 x 12	3	Alum.	42.00
SMC-980		14 x 10	3	Alum.	42.00
SMC-915	SMC-930	14 x 9	3	Alum.	42.00
SMC-974		13 x 15	3	Alum.	36.00
SMC-970		13 x 12	3	Alum.	36.00
SMC-917	SMC-960	13 x 13	3	Alum.	36.00
SMC-948		13 x 11	3	Alum.	36.00
SMC-950		12½ x 15	3	Alum.	31.00

Volvo-Penta Aquamatic 200, 250, 270, 280, American Challenger (splined shaft 1 1/8" dia.) See Page 11 for Volvo 270E Racing Props

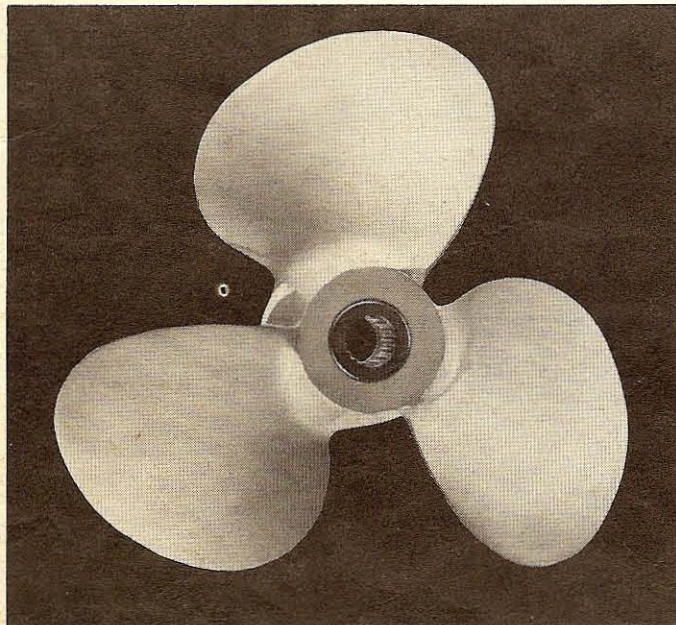
HP RANGE: 110 TO 290 / RECOMMENDATIONS: (For twin installations increase pitch 2")

APPROX. HP	DRIVE RATIO	BOAT LENGTH				HOUSEBOATS BARGES
		THRU 17'	18'-21'	22'-25'		
110-140 HP	1.35:1	13 x 13	13 x 12			
	1.62:1	14 x 17	14 x 16	14 x 15	15 x 12	
	2.15:1	14 x 17	14 x 16	14 x 15	15 x 12	
150-185 HP	1.35:1	14 x 17	14 x 16	15 x 12	15 x 10	
	1.61:1	14 x 21	14 x 19	15 x 16	15 x 14	
	1.89:1	14 x 19	14 x 17	15 x 14	15 x 12	
190-225 HP	1.35:1	14 x 19	14 x 17	15 x 14		
	1.61:1	14 3/4 x 21	16 x 18	16 x 16	16 x 13	
230-290 HP	1.61:1	14 3/4 x 29	14 3/4 x 27	14 3/4 x 25	16 x 14	

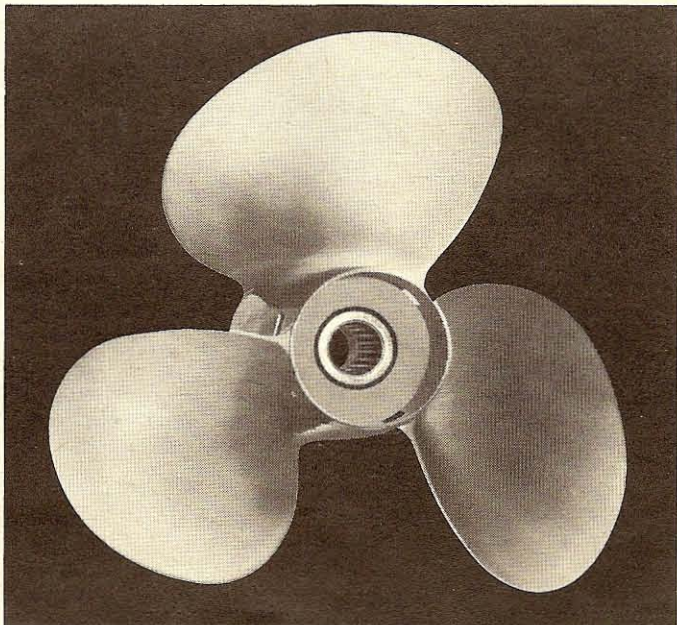
LH ROTATION PART NO.	RH ROTATION PART NO.	METAL	DIAMETER	PITCH	BLADES	PRICE
SMC-538	—	Alum.	13	12	3	\$43.00
SMC-540	SMC-522	Alum.	13	13	3	43.00
SMC-542	SMC-524	Alum.	13	14	3	43.00
SMC-544	—	Alum.	13	15	3	43.00
SMC-550	—	Alum.	14	9	3	45.00
SMC-554	—	Alum.	14	11	3	45.00
SMC-556	SMC-566	Alum.	14	12	3	45.00
SMC-558	SMC-568	Alum.	14	13	3	45.00
SMC-570	SMC-530	Alum.	14	14	3	45.00
SMC-572	SMC-532	Alum.	14	15	3	45.00
SMC-574	SMC-534	Alum.	14	16	3	45.00
SMC-576	SMC-536	Alum.	14	17	3	45.00
SMC-548	SMC-549	Alum.	14	19	3	45.00
SMC-578	SMC-608	Alum.	14	21	3	45.00
SMC-579	SMC-609	Bronze	14	21	3	63.50
SMC-590	SMC-580	Alum.	15	10	3	46.00
SMC-592	SMC-582	Alum.	15	11	3	46.00
SMC-594	SMC-584	Alum.	15	12	3	46.00

LH ROTATION PART NO.	RH ROTATION PART NO.	METAL	DIAMETER	PITCH	BLADES	PRICE
SMC-606	SMC-604	Alum.	15	13	3	\$46.00
SMC-488	SMC-489	Alum.	15	14	3	46.00
SMC-490	SMC-491	Alum.	15	15	3	46.00
SMC-596	SMC-586	Alum.	15	16	3	46.00
SMC-268*	SMC-270*	Alum.	14	19	3	48.00
SMC-288*	SMC-290*	Alum.	15	17	3	48.00
SMC-340†	SMC-341†	Alum.	15	15	3	54.00
SMC-342†	SMC-343†	Alum.	14	17	3	54.00
SMC-344†	SMC-345†	Alum.	15	17	3	54.00
SMC-346†	SMC-347†	Alum.	14	19	3	54.00
SMC-348†	SMC-349†	Alum.	14	21	3	54.00
SMC-350†	SMC-351†	Alum.	14	23	3	54.00
PR-224	PR-226	Alum.	14 3/4	17	3	46.00
PR-232	PR-234	Alum.	14 3/4	19	3	46.00
PR-240	PR-242	Alum.	14 3/4	21	3	46.00
PR-248	PR-250	Alum.	14 3/4	23	3	46.00
PR-256	PR-258	Alum.	14 3/4	25	3	46.00
PR-260	PR-263	Alum.	14 3/4	27	3	46.00
PR-264	PR-265	Alum.	14 3/4	29	3	46.00
PR-397	PR-396	Alum.	16	13	3	59.00
PR-399	PR-398	Alum.	16	14	3	59.00
PR-401	PR-400	Alum.	16	15	3	59.00
PR-403	PR-402	Alum.	16	16	3	59.00
PR-405	PR-404	Alum.	16	17	3	59.00
PR-407	PR-406	Alum.	16	18	3	59.00
PR-409	PR-408	Alum.	16	19	3	59.00
PR-411	PR-410	Alum.	16	20	3	59.00
PR-413	PR-412	Alum.	16	21	3	59.00
PR-415	PR-414	Alum.	16	22	3	59.00
PR-417	PR-416	Alum.	16	23	3	59.00
PR-419	PR-418	Alum.	16	24	3	59.00
DQ-781	—	Alum.	15	10	4	65.50
DQ-789	—	Alum.	15	12	4	65.50

NOTE: Hub bushings of above props recommended for max 240 HP. These are also available with solid hubs (no rubber bushing insert) at \$8.50 net extra cost each. No extra charge for six or more identical props ordered at one time. Allow six to eight weeks for delivery.
*Special wide blade props. †Extra wide blade with 280 hub.



VOLVO — STD. HUB



VOLVO — 280 HUB — HUB IS LENGTHENED TO ACCOMMODATE EXTRA BLADE WIDTH



Performance!

Expert answers about how to get it.

What prop should I use with my boat and motor?

First determine how the boat will be used, or what the normal load will be. If this boat usually operates with one specific passenger load, propeller size selection is relatively easy. If it has multiple uses ranging from light to heavy loads, it may be necessary to select one or two propellers for best results.

Why change propellers?

Stock propellers furnished with most outboards and stern drives are a compromise. Since they have a fixed diameter and pitch, they are limited in use and do not provide satisfactory performance under all the variations of hulls and loads. Note: the propeller not only moves the boat but it also regulates engine rpm, and horsepower is directly related to rpm. The engine has a horsepower rating, but in most instances the full benefit of the horsepower is never realized. Equal emphasis should be placed on the rpm at which the horsepower is attained. This is where the propeller comes into the picture. Outboards are designed to be run at peak rpm for full efficiency. Excessive rpm with its increased friction and wear is harmful. It is equally bad to run the engine so overloaded that it cannot achieve its rated rpm. This results in excessive carbon buildup in the cylinders, poor fuel economy, pre-ignition, frequent spark plug failure, scoring of cylinder walls, and burned pistons.

What are diameter and pitch?

These are the two common propeller measurements. If a propeller is specified as 10 x 12 size, this indicates it is 10" diameter by 12" pitch. Dimensions are always given in this order. Diameter is determined by doubling the distance between blade tip and center of hub. Pitch refers to blade angle. In this example the 12" pitch indicates that with each prop revolution the boat theoretically would advance 12". Due to slip loss, actual advance is somewhat less.

Why do outboards and stern drives of the same power sometimes take different prop sizes?

This is due to differences in lower unit gear ratios. These are geared so that the propeller shaft turns at a slower speed than the rpm at the powerhead. This is usually expressed as a ratio such as 12:21 or 14:28, referring to the number of teeth in the drive gears. In the first example, the crankshaft gear has 12 and the propeller shaft gear has 21. This means the propeller shaft turns only 57% as fast as the indicated rpm at the powerhead.

The lower the gear ratio the larger the propeller that can be used, and vice versa.

In other instances, engines of different makes may develop their horsepower at different rpm levels. Everything else being equal, higher rpm engines require smaller props to achieve greater rpm.

Can a change of propeller help me in water skiing?

Yes, in most cases! Original equipment propellers are pitched a little on the high side. Not knowing the boat the engine will be used with, the manufacturer pitches the prop a little high so the engine does not exceed top rpm if placed on a light boat. However, on a heavier boat, or with water skiers, this propeller tends to overload the engine, resulting in poor speed, poor acceleration and sluggish performance, making it difficult to get a skier up. This is corrected with a lower pitched prop.

What is the correct transom height for my outboard engine?

On average boats it is best to mount the engine so the cavitation plate is approximately 1" below the bottom of the keel, or 1" below the bottom of boats without keel. For racing boats, better speeds can be attained by raising the engine to reduce lower unit drag and exhaust back pressure. Best transom height can be determined only by experimenting...get the engine as high as possible, or to the point just before propeller cavitates excessively.

What is the best tilt-setting or shaft angle for my outboard?

Proper tilt is extremely important, and is determined only through experimenting. In any boat the tilt-setting can change as the load changes. Tilt adjustment determines the planing angle, and if improperly set, the speed loss can be substantial or the boat may not plane at all. Tilting the engine in toward the transom pulls the bow down. Tilting it away from the transom pulls the bow up. Vary the angle to find the point where the boat assumes the best planing position.

Will a different prop correct bad torque action (listing and hard steering)?

Usually not. Most likely it is the result of any of several irregularities in the hull, the steering hook-up or the engine mounting. Steering wheel must be properly located relative to propeller rotation. If an engine has a right-hand rotating propeller, steering wheel should be on the right or starboard side. This side normally tends to lift as the result of torque action, and the driver's weight offsets it.

Engine tilt should be such that the prop is horizontal when under way. If it is up or down, the propeller can have a definite pull to one side. See that engine is at exact center of the transom and is sitting level. Steering linkage should have enough adequate sized pulleys, properly swiveled and with the right cable tension. Check boat bottom for warping or other distortion which could cause difficulty.

Will a bronze prop hurt my motor?

No. Bronze is an ideal propeller material, having numerous advantages over aluminum or die-cast material. Bronze is strong, ductile, repairable, corrosion-resistant, and in normal service will last the life of the motor. You may frequently hear that a bronze prop wears out the shifting mechanism. Shift mechanism wear and failure is not due to the type of propeller used. Most frequent lower unit failure is in the shifter dog which results from improper shifting procedure by the boat operator. Many attempt to ease an outboard or I/O into gear thinking that this is easier on the mechanism. The opposite is true. Shifter lever should be snapped into gear with some force...the only way the shifter dog will mesh completely with forward or reverse gear.

Is it advisable to have outboard propellers repaired?

Depends on the material. Those made of bronze or sand-cast aluminum are repairable at about one-third to one-half the new propeller price. Die-cast propellers generally are not repairable. The material is very brittle, breaks off easily in the straightening process and will not weld satisfactorily. (Original equipment propellers are usually die-cast.) It is advisable to discard such propellers and replace with the more durable sand-cast aluminum or bronze.

Michigan authorized prop repair.



We are equipped to restore most any propeller up to eight feet in diameter to like-new condition. Field service is also assured at any of our factory equipped, trained and authorized Service Stations located throughout the U.S., Canada and overseas. All factory repairs are done by highly skilled workmen. Welding is handled by certified welders, pitching or alteration work, balancing and finishing are done by leaders in their fields. Even very badly damaged propellers can usually be restored to like-new condition — regardless of style or make.

SEE MAP FOR AUTHORIZED SERVICE STATIONS.

FACTORY OUTBOARD & STERN DRIVE PROPELLER REPAIR PRICES

6"–11"	\$ 9.00
11¼"–13"	11.50
13¼"–15"	16.00
15¼"–19"	22.00
19¼" and larger	25.00
CUPPED PROPS add 25%	
PITCH CHANGE new or undamaged at repair price	
Dia. reduction—thru 13" dia.	6.25
Dia. reduction—13¼" and larger	11.50
Pitch change—in addition to repair	6.00
HUB REPLACEMENT, NET:	
Thru 25 HP	6.90
30-95 HP	9.50
100 HP and over	12.50
HUB REPLACEMENT in addition to wheel repair, NET:	
Thru 18 HP	3.00
19 thru 49 HP	4.00
50 thru 95 HP	5.00
100 HP and up	9.00
CUPPING thru 14" diam. NET	4.50
14¼" and larger. NET	6.50

FACTORY INBOARD PROPELLER REPAIR PRICES (2- or 3-blade Manganese Bronze)

Dia.	Price	Dia.	Price	Dia.	Price	Dia.	Price
10"	\$13.50	16"	\$21.50	22"	\$33.50	32"	\$67.00
11"	14.00	17"	24.00	24"	39.50	34"	76.00
12"	14.50	18"	26.00	26"	45.00	36"	85.50
13"	15.50	19"	28.50	28"	51.00	38"	97.00
14"	17.00	20"	31.00	30"	57.50	40"	110.50
15"	19.00	(above 40"—on quotation)					

New propeller warranty cannot apply to repaired propellers. Repair warranty is limited to pitch and balance accuracy as well as workmanship. Responsibility is limited to rebuilding of such propellers at place of repair. All welding net extra — time and material basis. All repairs are performed at the owner's risk.

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Brydon Brass Mfg. Co., Ltd.
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Rexdale, Ontario Canada

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38-40 Stanley St.
Peakhurst, N.S.W.
2210 Australia

F. Kirschbaum, An Der Ostbahn 46
1100 Wien x, Austria

Ernst O. Hesse, Grafenberger
Allee 325, Dusseldorf, Germany

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Zaltbommel, Holland

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Tokyo 108, Japan

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S-143-00 Varby, Sweden

Nautica, Venezolana C.A.
Apartado 50925, Caracas, Venezuela

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Sheffield Marine Propellers
10002 N. Vancouver Way, Portland, Ore. 97217

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508 Cummins St., Honolulu, Hawaii 96814

Pitchmaster Propeller Co.
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Alameda, Cal. 94501

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1017 S. 23rd St., Phoenix, Ariz. 85034

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Los Angeles, Cal. 90022

James Propeller Service, 11111 Harry Hines Blvd., Dallas, Texas 75229

City Marine Prop Service, 111 Viendo, San Antonio, Texas 78201

L.L. Walker Co., 609 S. 80th St., Houston, Texas 70112

Marine Propeller Works, P.O. Box 433, Aransas Pass, Texas 78336

Ray's Propeller Service
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Tribilt Mfg. Co., Inc.
811 Pillsbury St.
Minneapolis, Minn. 55420

Mae's Marine Service, 19 Bellair Lane, Oshkosh, Wis. 54901

Air Marine, 5638 So. Central Ave., Chicago, Ill. 60638

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Delaware Propeller Service, 1515 N. Walnut St., Muncie, Ind. 47303

Propeller Sales & Service, P.O. Box 185, Westerville, Ohio 43081

Riviera Marina, Inc., Route #1, St. Charles, Mo. 63301

Midwest Propeller Service, P.O. Box 304, Olathe, Kansas 66061

Ed's Marine Shop, 3291 Jackson Ave., Memphis, Tenn. 38122

Wait Mfg. Co., 406 Peoria, Tulsa, Okla. 74120

1407 Browns Bridge Road, Hwy. 141, Gainesville, Ga. 30501

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Johnny's Propeller Shop, 1501 Front St., Morgan City, La. 70380

Houma Machine & Marine
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Houma, La. 70360

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River Drive, Thunderbolt, Ga. 31404

Diesel Engineers 2030
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